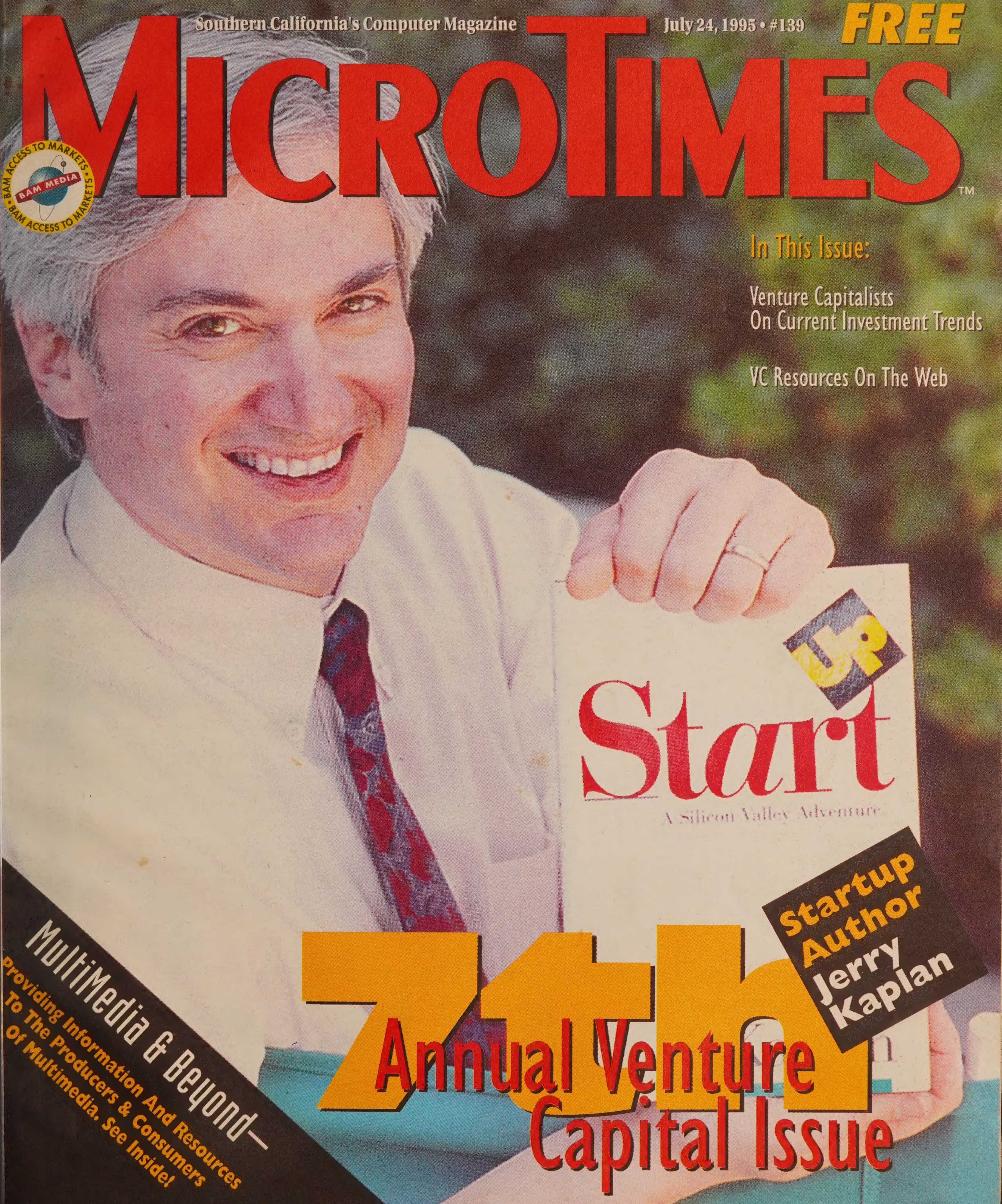
Southern California's Computer Magazine

July 24, 1995 • #139

FREE

MICROTIMES™

BAM ACCESS TO MARKETS • BAM MEDIA



In This Issue:

Venture Capitalists On Current Investment Trends

VC Resources On The Web

Startup Author Jerry Kaplan

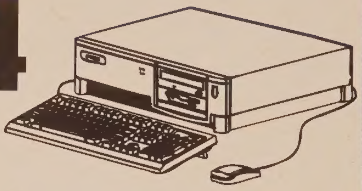
7th Annual Venture Capital Issue

MultiMedia & Beyond—
Providing Information And Resources To The Producers & Consumers Of Multimedia. See Inside!

COMPAQ

COMPAQ

486DX4 90MHz



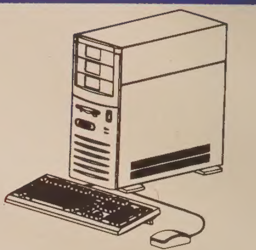
PRESARIO 744 CDS 535MB MULTIMEDIA SYSTEM

486DX4-90MHz CPU • 8MB RAM • 535MB Hard Drive • Internal Quad-Speed CD-ROM Sound Card • Speakers • 14,400 Fax/Modem with Answering Machine
Monitor Sold Separately
#1997981

$1499

COMPAQ

PRESARIO 972 CDS MULTIMEDIA SYSTEM w/PENTIUM 75MHz CPU



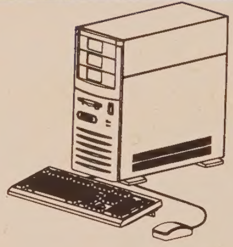
Pentium 75MHz CPU • 8MB RAM • 735MB Hard Disk
Internal Quad-Speed CD-ROM • 14,400 Fax/Modem with Answering Machine
Sound Card • Speakers • **Monitor Sold Separately**
#1998018

intel inside pentium PROCESSOR

$1995

COMPAQ

PRESARIO 982 CDS MULTIMEDIA SYSTEM w/PENTIUM 90MHz CPU



Pentium 90MHz CPU • 8MB RAM • 735MB Hard Disk
Internal Quad-Speed CD-ROM • 14,400 Fax/Modem with Answering Machine
Sound Card • Speakers • **Monitor Sold Separately**
#1998030

intel inside pentium PROCESSOR

$2195

COMPAQ

486DX2 50MHz

CONTURA 410C 250MB DUAL SCAN NOTEBOOK

486DX2 50MHz CPU • 250MB Hard Drive • 4MB RAM
3.5" 1.44MB Floppy Drive • DSTN 9.5" Color • PCMCIA
3 Year Warranty
#2050403

$1995

HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!®

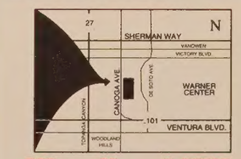
Fry's ELECTRONICS

Prices Good Through August 15, 1995

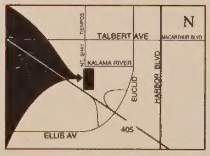
Limit Rights Reserved. Not Responsible for Typographical Errors.

STORE HOURS
MON - FRI
8AM-9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM

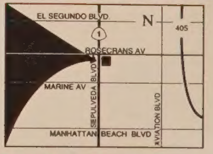
CORP. P.O. FAX: FAX(818) 227-1010 / P.Os (818) 227-1025



Woodland Hills
6100 Canoga Ave.
(818) 227-1000



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
(714) 378-4444



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
(310) 364-3737

DISCOVER NOVUS
VISA
MasterCard

DISCOVER, VISA AND MasterCard ACCEPTED

We Guarantee Lower Supply Prices!*

HEWLETT PACKARD Laser Toner

Cartridges for LaserJet II, III

As Low As $67.99

	QTY 1–4	QTY 5+
HP LaserJet, LaserJet Plus	$93.99	$88.99
HP LaserJet II, III or IIP, IIIP	69.99	67.99
HP LaserJet III Si, 4Si, 4Si-MX	119.99	107.99
HP LaserJet 4L, 4ML, 4P/MP	66.99	62.99
HP LaserJet 4, 4M, 4+	109.99	99.99
HP LaserJet 4V, 4MV	139.99	129.99

InkJet & BubbleJet Inks

Ink Refills for DeskJet 500 & 550C

As Low As $15.99

	QTY 1–4	QTY 5+
HP DeskJet 500/550C (Hi-Cap Blk)	$24.99	$23.99
Hi-Cap Refill (for HP51626A)	16.99	15.99
HP Color DeskJets, Color PaintJets	27.99	26.99
HP ThinkJet, QuietJet/Plus (Blk)	10.99	9.99
Canon **BubbleJet BJ200** (Blk)	22.99	21.99
Canon BJ10e/x, 20 BJ200 (Blk)	15.99	14.99

Magnetic Media

3.5" 1.44 MB HD Diskettes

As Low As 33¢ Ea.

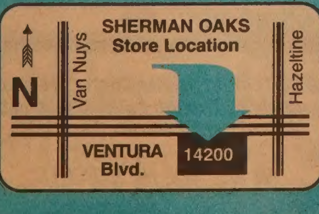
	QTY 10–50	QTY 200+
SONY 1.44MB 3.5" Disks	73¢	61¢
SONY 1.44MB 3.5" Disks, Formatted	75¢	65¢
Bulk Generic 3.5" 1.44MB, 50-Paks	35¢	33¢
Bulk Generic 5.25" 1.2MB, 50-Paks	39¢	35¢
3M DC2120X Tape, QIC-80	17.99 1-5	16.99 6+
SONY 90M DAT 2.0GB, 4mm	9.99 1-5	8.99 6+

Removable Media

SyQuests 44MB HD Cartridges

As Low As $39.99

	QTY 1–9	QTY 10+
SyQuest 44 MB Carts	$45.99	$39.99
SyQuest 88 MB Carts	59.99	55.99
SyQuest 270 MB Carts	75.99	68.99
Verbatim Recordable CD-550	10.99	9.99
SONY 128MB 3.5" Mac format	33.99	30.99
3M Opt. 5.25" 1.3GB–1024B/sec	91.99	82.99



Cards accepted, 3% cash discount shown in this ad.

CompuCal's new TRITON PC uses "Pipeline" cache to run 30% faster than other 100 Mhz Pentium PCs!

Saves Energy-Usage 3 Ways!
(Automatic, or setup as you wish!)

TRITON Pentium /100 PCI

$2699

Intel Triton Pentium-100, 256K **"Pipeline"** Cache
(4-PCI & 4-ISA slots, AMI "Flash" BIOS, exp. to 512K,
2 Fast 16550-UART Serial & 1 Enh Parallel Port)
16 MB RAM *(up to 128MB)* • **1.26 GB** EIDE HD
15" Flatscreen, .28, 1280NI, Low Radiation, "Green"
64-Bit PCI Graphics Accelerator, **1MB to 2 MB**
Fastest 28.8kb/s Fax/modem & Software-add $129
101 Keyboard, Mouse, MS Windows FW 3.11, DOS 6.22, Mid-Tower

Ultimate 4X-Multimedia – add **$299**
16-bit Sound & Fast TOSHIBA 4X-CD
Dual Stereo Computer System Speakers
Compton '95 Interactive CD Encyc. + 17 CD Titles

Home-Media DX4/100 VLB

$1399

Fast 100Mhz AMD-DX4, 128K Cache
8 MB RAM • **540 MB** IDE Hard Drive
14" Monitor, SVGA, 1280NI, Low Radiation, .28
32-Bit VLB Windows Accelerator, 1MB
14,400 Fax/modem with Software--add $59
101 Keyboard • High-Res Mouse
MS Windows 3.1 & MS-DOS 6.22
— Includes —
Full 16-bit Sound & Double-Speed CD
Dual Stereo Speaker System
Compton '95 Int CD Enc + 17 CD Titles

SALE PRICES on more "plug-n-play" systems!

CPU Type	RAM MB	H.D. MB	Fax / Modem	CD-ROM Player	16-Bit Soundcard	SVGA-NI Color Monitor	Windows Accelerator	OLD PRICE	SALE PRICE
486DX2-66	4	420	Optional	Optional	Optional	14" / .28	1 MB	$~~1,299~~	$999
486DX2-66	8	540	9.6 / 9.6	2-X	Yes	14" / .28	1 MB	$~~1,499~~	$1,298
486DX2-66	8	730	14.4 / 14.4	2-X	Yes	15" Flatscreen, .28	2 MB	$~~1,699~~	$1,599
DX4-100	8	540	Optional	Optional	Optional	14" / .28	1 MB	$~~1,399~~	$1,149
DX4-100	8	730	14.4 / 14.4	2-X	Yes	15" Flatscreen, .28	2 MB	$~~1,945~~	$1,629
Pentium-75	8	540	Optional	Optional	Optional	15" Flatscreen, .28	1 MB	$~~1,899~~	$1,639
Pentium-75	**16**	**730**	Optional	**4-X**	Yes	**17"** Flatscreen, .28	**2 MB**	$~~2,999~~	$2,699
Pentium-90	8	540	14.4 / 14.4	2-X	Yes	15" Flatscreen, .28	1 MB	$~~2,299~~	$2,049
Pentium-90	**16**	540	Optional	**4-X**	Optional	15" Flatscreen, .28	1 MB	$~~2,499~~	$2,219
Pentium-100	**16**	**1,275**	14.4 / 14.4	**4-X**	Yes	15" Flatscreen, .28	**2 MB**	$~~3,199~~	$2,769

ALL SYSTEMS INCLUDE—1.44MB 3.5" Floppy Drive, MS Windows 3.11, MS-DOS 6.22, 101 Keyboard, High-res Mouse, 2 Serial & 1 Parallel Ports, Compact Vertical Case, 12 Month Parts and Labor Warranty. 486s use VL-Bus, Pentiums PCI Local Bus.

HOURS
Monday–Friday 9–6
Saturday 10–5

CompuCal

SALES · SERVICE   NETWORK · TRAINING

FINANCING
Available on Approved Credit

Tel 818-906-1132   Fax 818-906-1488

14200 Ventura Blvd ● Sherman Oaks CA (See Map at Left)

*COMPUCAL WILL BEAT OR MATCH OTHER NATIONALLY-ADVERTISED SUPPLY RETAIL PRICES (PC HARDWARE/SOFTWARE EXCEPTED). PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

dav tech
Computer Center
(800) 447-3331
8:30-6 M-F

DAV-TECH
Computer Center
...the EXPERTS!

EST. 1983

HEWLETT PACKARD
Authorized Reseller

HP LaserJet Printers

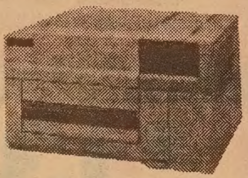
NEW

HP LaserJet 5p

6ppm, 600dpi
Straight-Through paper path
Infrared Port
Dual Paper Trays

$CALL CALL FOR SMP IN STOCK **IN STOCK**
*DOC ID #1383 & 1384

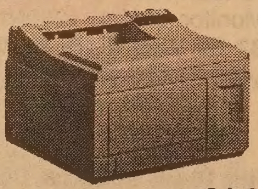
HP Color LaserJet Printer



10/2 ppm Blk/Color
300dpi with RET
8MB RAM
1 Yr. On-Site Warr.

IN STOCK
30 DAY FREE EVALUATION
*DOC ID #1381

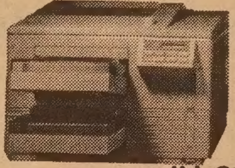
HP LaserJet 4+ Printer



Up to 12ppm
600dpi
45 Scalable Fonts
2MB RAM

$1350
*DOC ID #1365
CASH

HP LaserJet 4SI Printer

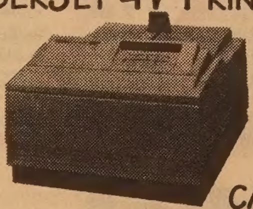


Up to 17ppm
600dpi
2 Paper Trays
500 Sheets ea.

$2799
*DOC ID #1311
IN STOCK

Ask For $250 Rebate

HP LaserJet 4V Printer



Up to 16ppm
600dpi
Up to 11" x 17"
4MB RAM

$1850
*DOC ID #1374
CASH

HP DesignJet Plotters

IMMEDIATE DELIVERY

HP DesignJet 230 Plotter

Enhanced 600dpi Resolution
4MB RAM, Single Sheet Feed
A-D & A-E Size Media
1yr On-Site Warranty/Optional Legs
*DOC ID #5057

HP DesignJet 250C Plotter

300dpi Color, 600dpi Black Addressable
4MB RAM, Single Sheet Feed
Full Color
A-D & A-E Size Media
1yr On-Site Warranty/Optional Legs
*DOC ID #5053

HP DesignJet 600 Plotter

Enhanced 600dpi Res.
4MB RAM
Cut Sheet & Roll Feed
Auto Cutter
1yr On-Site Warranty
*DOC ID #5308

HP DesignJet 650C Plotter

600dpi Black
300dpi Color
4MB RAM
Millions of Colors
1yr On-Site Warranty
*DOC ID #5311

HP DeskJet 660C

600x300dpi
Up to 4ppm Speed
Black & Color Output
3yr. Warranty
Quiet Operation

$450
*DOC ID #10005
IN STOCK

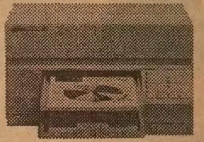
NEW

HP DeskJet 1600C

9 pages per minute
600x600 dpi
PowerUser memory upgrade to 100MB
Up to 12000 pages/Mate
Color Smart

$1349
*DOC ID #2864
IN STOCK

HP DeskJet 1200C Printer



InkJet Color Printer
600 x 300 dpi
2MB RAM
Millions of Colors

$959
*DOC ID #2370

HP Full Page Scanners

HP ScanJet 3C Scanner

2400 dpi Resolution
30-Bit Color
HP Copier Utility
Calera OCR Software
Corel Photo-Paint

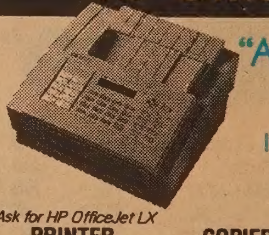
*DOC ID #3308
IN STOCK

HP ScanJet 3p Scanner

1200 dpi Resolution
8Bit Gray Scale
SCSI Interface Kit
1-Year Exp. Exchg.

*DOC ID #3307
IN STOCK
Automatic Document Feeder in Stock!

HP OfficeJet



"ALL IN ONE"
$629
IN STOCK NOW
*DOC ID #2630

Ask for HP OfficeJet LX

PRINTER	COPIER	FAX
600x300dpi	Up to 99 Copies	10 page ADF
DOS & WIN Comp.	Reduction Capab.	24-page Memory
Optional MAC Int.	40 Char. Display	10-sec. PP Transmission

*FAX BACK: FOR MORE INFORMATION ON PRODUCTS CALL 800-333-1917 & ENTER CORRESPONDING DOC. ID#

DAV-TECH Computer Center

6314 Hollywood Blvd. (at Vine) Los Angeles, CA 90028
Free parking in rear with validation. Not responsible for errors.

(800) 447-3331
(213) 463-3001
Fax: (213) 469-7255

DAV-TECH Computer Center has been supplying Hewlett Packard products to Southern California since 1983.

We are "THE HP EXPERTS"

NOVELL NETWORK Specialists

Installations | Tech Support
Training | Administration

We Accept HP "Cash In & Trade Up" Program

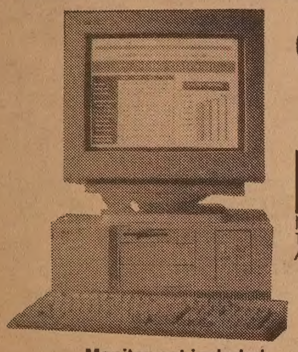
call for details

dav tech Computer Center

(800) 447-3331
8:30-6 M-F

HP Vectra & NetServer

QUESTION: Why are HP Vectras and NetServers rated "NUMBER 1"?


Monitor not included

yes NetWare Tested and Approved

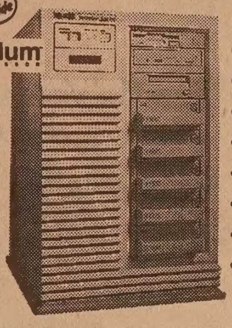
HP VECTRA VE 486DX2/50

8MB RAM 420MB IDE HD
1MB Video DRAM, PCI Bus
ZIFF socket/3.5in. FL., DOS
Windows 3.11/Mouse
Upgradable to Pentium Overdrive

3-YEAR WARRANTY (1-yr ON-SITE)

*DOC ID #6367

$1190



- MICROSOFT
- Windows NT
- OS/2
- Novell
- SCO OK
- Banyan
- TSA NET
- JD Power & Assoc.

HP NETSERVER LH S/100

Dual Pentium 100/Upgradable/32MB ECC
Expandable to 192MB
4PCI, 4 EISA, 1 Shared PCI/EISA
PCI Dish Array Controller, 6 WIDE SCSI 2
Hot Swap/Spare/Support For Raid 0,1,5,6

3-YEAR ON-SITE NEXT-BUSINESS-DAY WARRANTY
Optional RAID levels 0,1,5, and 6

$CALL

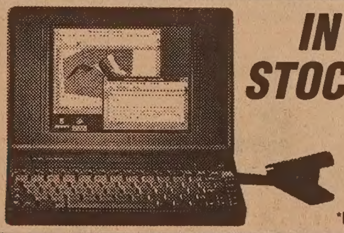
*DOC ID #6315

HP OmniBook 600 NoteBook PC

3.8 lbs. Local Bus Video. 2 PCMCI Type 2 Slots Ergonomic Popup Mouse, External 3.5" Floppy Dual Scan 8.4" Screen, 3-Year World Wide Warranty

HP OmniBook 600C 4/50 **$2290**
486DX2-50, 4MB RAM, 170MB HD

HP OmniBook 600C 4/75 **$2900**
486DX4-75, 8MB RAM, 260MB HD



IN STOCK!

*DOC ID #8830

HP 200LX PalmTop

2MB RAM
3MB ROM

Built-in Software
MS-DOS 5.0
Pocket Quicken
Lotus 123 R 4.2
Lotus cc: Mail
Data Comm
Scheduler
Aptmnt. Book
Phone Book
*DOC ID #8808

$650

FREE Leather Case
with Purchase ($40 Value)

Take care of your Hewlett-Packard printers

WE FIX THEM.
Your Place or Ours?
Within 24 Hours

Tektronix

We Deliver Tektronix Products Within 48hrs. to Your Location.

Authorized Dealer for Complete Tektronix Product Line

Phaser 240 .... $3195
600x300 dpi, 2ppm, 5MB, Color Thermal Transfer

Phaser 340 Plus .... CALL
600x300 dpi, 4ppm, 24MB RAM

Phaser 540 .... CALL
600dpi, 17 sec. pp, 20MB Color Continous-Tone Laser

Phaser 440 .... CALL
300dpi Photo Qlty, 2min. pp 16, Dye Sublimation

WHY SHOULD YOU BUY FROM DAV-TECH?

- Serving Southern CA Since 1983
- Fair Prices/Most Products In Stock
- 48 HR. Drop Ship
- 9 Warehouses Nationwide
- Knowledgeable Staff:

Armen, Carolyn, GALI, Michael, Sarkis
Brian, Dick, Karla, Belen

Apple Macintosh

PowerBook 150 4/120	$975
PowerBook 520 4/160	$1560
PowerBook 520c 4/160	$1990
PowerBook 540c 4/320	$2850
PowerMac 6100/66 8/500	$1600
PowerMac 7100/80 8/700/CD	$2890
PowerMac 8100/100 8/700	$2990
PowerMac 8100/110 16/2G/CD	$5500

With Purchase of Systems:

Apple Laserwriter Select 360	**$1175**
Apple Ext. CD 300E + w/3CD Titles	**$265**
Apple Multiscan 15" Display	**$420**

DAV-TECH Computer Center

6314 Hollywood Blvd. (at Vine) Los Angeles, CA 90028

Prices are CASH discounted and are subject to change without notice.

(800) 447-3331
(213) 463-3001
Fax: (213) 469-7255

DAV-TECH Computer Center has been supplying Hewlett Packard products to Southern California since 1983.

We are "THE HP EXPERTS"

Contents

MICROTIMES™

July 24, 1995 • Issue #139

7th Annual Venture Capital Issue

COVER STORY

168
Venture Capital And The Internet (And More!)
BY JOHN DOWNEN
VCs and industry observers offer perspectives on emerging markets.

116
Startups: Live And Learn
BY MARY EISENHART
PHOTOS: ANNE KNUDSEN
Jerry Kaplan, last seen on our cover some years back as the chairman of GO, talks about his new book Startup: A Silicon Valley Adventure, and introduces his new venture, OnSale.

164
Surfing For Finance On The Web
BY MICHAEL ROBIN
Seeking out potential investors online.

News & Views

20
Industry Insights
BY PAUL HOFFMAN
IBM/Lotus 20
MicroTimes Stock Index 28

34
Realizable Fantasies
BY JIM WARREN
Fulminations on censor-mania in Congress.

43
Letters

242
Dvorak's Last Column
BY JOHN C. DVORAK
Bizarre stuff from various sources.

Business Solutions

48
Pens & Palmtops
BY MITSU HADEISHI
Reflections on the Poqet PC.

56
Networking
BY PETER JOHN HARRISON
Web servers: not just for the Internet.

63
Telecommuting
BY ROBERT MOSKOWITZ
The impact of weakening clean-air policy on telecommuting.

74
Small Office/Home Office
BY BIRRELL WALSH
Brainstorming software—Inspiration.

Multimedia & Beyond

180
Multimedia 101
BY JONATHAN E.
Multimedia magazines.

193
Amiga
BY DOUGLAS J. NAKAKIHARA
The latest release of the perennial favorite Deluxe Paint.

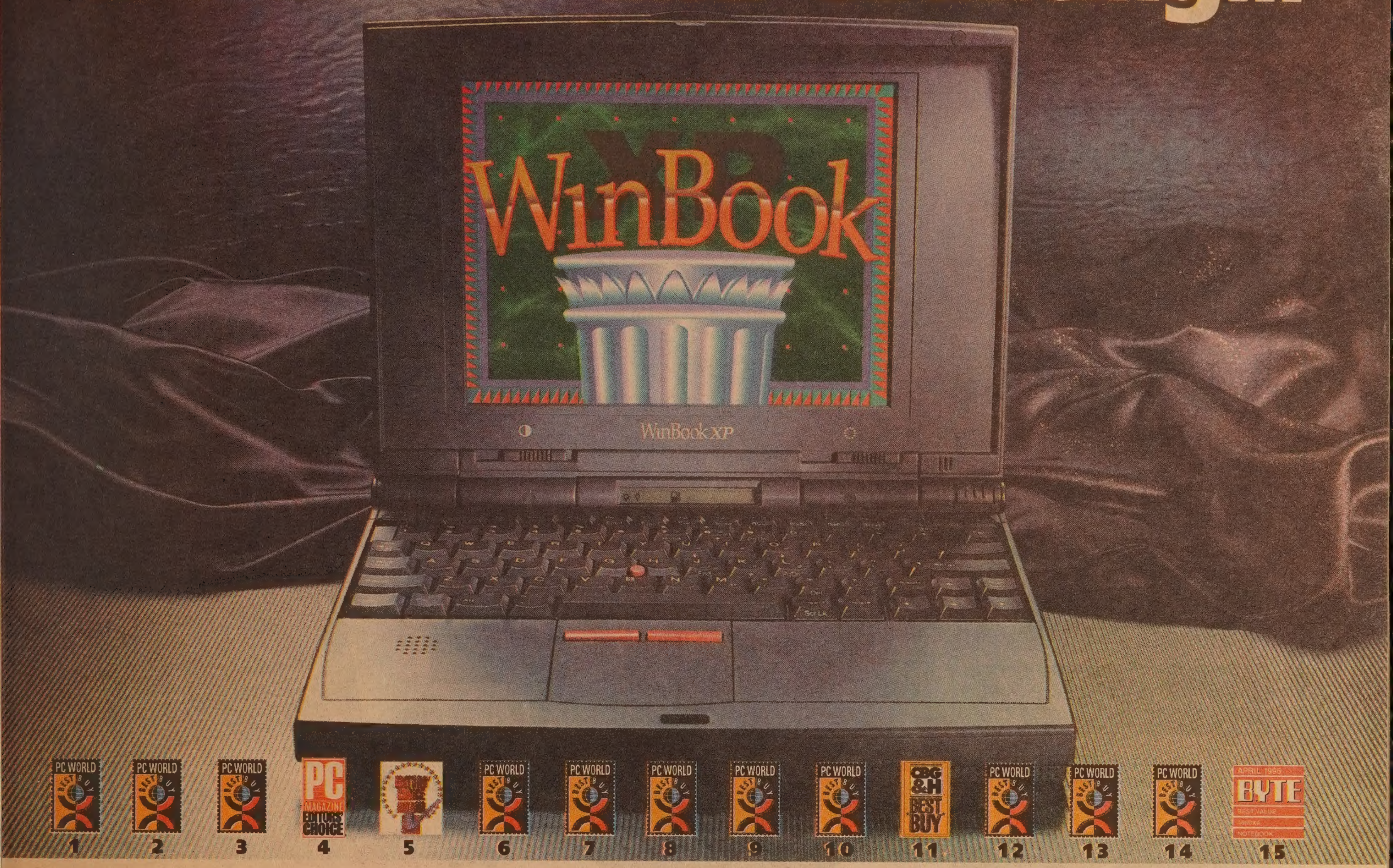
198
Mac Does Windows
BY TONY REVEAUX
Apple's new dual-platform machines.

Micro Marketplace

A Special Advertising Section For Los Angeles Area Computer Buyers

Starts On Page 110

15 Awards and Counting...



1 PC World — Best Buy - May 1995, WinBook XP SX33 8/260 Monochrome

2 PC World — Best Buy - June 1995, WinBook XP SX33 8/260 Monochrome

3 PC World — Best Buy - July 1995, WinBook XP SX33 8/260 Monochrome

4 PC Magazine — Editors' Choice - August 1994, WinBook XP DX2/50 4/260 Monochrome

5 PC Laptop — Editors' Choice - Most Improved Portable January 1995, WinBook XP

6 PC World — Best Buy - February 1995, WinBook XP DX2/50 8/255 Monochrome

7 PC World — Best Buy - March 1995, WinBook XP DX2/50 8/255 Monochrome

8 PC World — Best Buy - April 1995, WinBook XP DX2/50 8/255 Monochrome

9 PC World — Best Buy - May 1995, WinBook XP DX2/50 8/255 Monochrome

10 PC World — Best Buy - July 1995, WinBook XP DX2/50 8/255 Monochrome

11 Laptop Buyer's Guide — Best Buy - July 1995, WinBook XP DX4/100 8/810 Active Matrix Color

12 PC World — Best Buy - February 1995, WinBook XP DX4/75 8/125 Dual-scan color

13 PC World — Best Buy - March 1995, WinBook XP DX4/75 8/125 Dual-scan color

14 PC World — Best Buy - April 1995, WinBook XP DX4/75 8/125 Dual-scan color

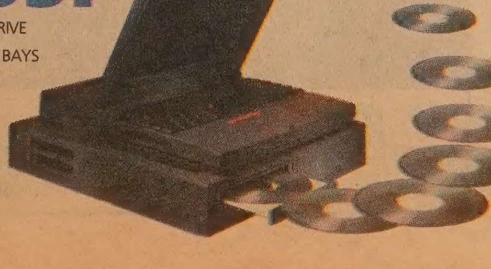
15 BYTE — Best Value 486DX4 Notebook - April 1995, WinBook XP DX4/100 8/510 Active Matrix Color

TECHNICAL SPECIFICATIONS

- SL-ENHANCED 75MHZ OR 100MHZ INTELDX4™ MICROPROCESSORS
- 5.9 LBS. DUAL-SCAN COLOR OR 6.1 LBS. OPTIONAL ACTIVE MATRIX COLOR
- DIMENSIONS: 11.3" X 8.5" X 1.7"
- 4MB, 8MB OR 16MB RAM (EXPANDABLE UP TO 32MB)
- 3.5" 1.44MB DISKETTE DRIVE
- REMOVABLE 340 TO 810 HDD
- VGA DUAL-SCAN COLOR OR OPTIONAL ACTIVE MATRIX. MONOCHROME UNITS ALSO AVAILABLE
- 10-CELL NIMH BATTERY & AC PACK
- SUSPEND/RESUME FEATURE
- TWO TYPE II OR ONE TYPE III PCMCIA SLOT
- INTEGRATED DUAL-BUTTON POINTING STICK, OPTIONAL DUAL-BUTTON 19MM TRACKBALL OR OPTIONAL DUAL-BUTTON TOUCHPAD
- PARALLEL, SERIAL AND PS/2 PORTS
- 1MB VIDEO MEMORY WITH EXTERNAL VGA PORT
- LCD FUNCTION INDICATOR PANEL
- 14.4 SEND/RECEIVE FAX/VOICE/DATA MODEM OPTIONAL
- INTERNAL AUDIO OPTIONAL
- DOCKING STATION OPTIONAL
- OPTIONAL 3-YEAR LIMITED WARRANTY

The Docking Station with 4X CD-ROM is a winner at only $399!

- INCLUDES QUAD-SPEED CD-ROM DRIVE
- TWO EXPANSION SLOTS AND DRIVE BAYS (ONE EXPANSION SLOT AND DRIVE BAY REMAINING WITH CD-ROM INSTALLED)
- BUILT-IN PARALLEL, SERIAL, PS/2 MOUSE, KEYBOARD AND VGA PORTS



WinBook® XP

100MHz $1999

$1999 ...
- 100MHz IntelDX4™ processor
- 10.3" dual-scan color display
- 4MB RAM/340MB HD

$3999 ...
- 100MHz IntelDX4™ processor
- Active matrix color display
- 16MB RAM/810MB HD
- 14.4 Fax Modem
- DOS and Windows

$$ Comparable savings on all other WinBook XPs—from our base models to notebooks for the power user. For current pricing and configurations, call 1-800-293-1642.

Call us today, toll-free

1-800-293-1642

Monday-Friday, 8am-9pm EST • Saturday, 9am-4pm

Use your VISA, Discover Card, MasterCard, personal check or P.O. with credit approval. U.S. sales only. 30-day unconditional money-back guarantee from date of purchase.

WinBook
COMPUTER CORPORATION
a subsidiary of Micro Electronics, Inc.

©1995 WinBook Computer Corporation. All rights reserved. WinBook is a registered trademark of Micro Electronics, Inc. The Intel Inside logo is a trademark of the Intel Corporation. All other trademarks and registered trademarks are property of their respective corporations. All prices and specifications are subject to change without notice or obligation. Prices do not include shipping.

MICROTIMES

Don't get caught at an empty rack!

Look for MicroTimes on the following cover dates:

	7/24/95 **Annual Venture Capital Issue**	**#139**
#140	**8/21/95** **Mobile Computing**	
	9/18/95 **Multimedia**	**#141**
#142	**10/16/95** **Business On The Internet**	
	11/11/95 **Intellectual Property**	**#143**
#144	**11/27/95** **Fun & Games: The 3rd Annual Holiday Gift Guide**	
	12/18/95 **Annual California Dealers Guide**	**#145**
#146	**1/1/96** **The MicroTimes 100**	

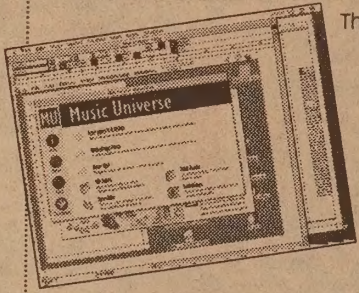
For the distribution point near you in Northern California, call the distribution department at (510) 934-3700; in Southern California, (213) 851-8600.

Remember to recycle!

Contents
MICROTIMES

July 24, 1995 • Issue #139

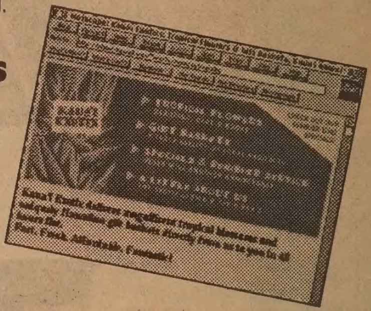
Online Guide



88
Internet
BY JOHN S. QUARTERMAN AND SMOOT CARL-MITCHELL
The impact of online service Web browsers on the Internet.

92
Online Services
BY BILL GRAM-REEFER
What's new at Apple's eWorld.

96
Web Page Listings



Resources

206
Calendar Of Events
VR/Disabilities Conference 206
Computer Marketplace 206

313
User Group Network
BBS Spotlight. Database BBS

226
Classfieds
Consultants Network 231

236
Index Of Advertisers By City

240
Index Of Advertisers

End Your Search!
You'll find it in the MicroTimes Classifieds
Featuring
- Classifieds from A to Z
- Career Marketplace
- Consultants Network

interact!
A CD-ROM STORE

We Buy & Sell Used CD-ROM Software

Hundreds and Hundreds of New & Used CD-ROM Titles in Stock for IBM and Mac

We Carry a Wide Variety of Adult CD-ROMs

The Interact! promise: We absolutely guarantee that you will find *the largest selection* of CD-ROM titles anywhere in Los Angeles!

CALL FOR A FREE CATALOG!

☞ ***We are located in Old Town Pasadena 2 Blocks North of Colorado at Fair Oaks***
2 East Holly Street

☎818-578-7282

OPEN 7 DAYS A WEEK
MON-SAT 10am - 7pm • SUN 11am - 6pm

Power. Precision. Performance.

(Pity *we* don't *make* golf *equipment.*)

Golf is like life. You face hazards and challenges at every turn. The equipment you use to deal with those challenges is critical to your success. You need powerful, precision tools that allow you to perform at your peak.

Mitsumi peripherals are precisely that. We're the world's largest manufacturer of PC peripherals—floppy disk drives, keyboards, mice, and CD-ROM drives. Our products reflect a commitment to performance and peripheral technology that can't be matched. In fact, the leading worldwide computer manufacturers use Mitsumi products extensively in their systems.

Which is hardly surprising when you realize that instead of *buying* components from others, as much of our competition does, we build quality peripherals that include our *own* Mitsumi designed and manufactured components. And because we deliver millions of peripheral products worldwide, they're affordable.

As you step up to the hazards of your daily world, remember that more computer users, in more places count on the power, precision and performance of Mitsumi peripherals than any other company in the world.

For literature that offers additional information, please call **1-800-MITSUMI** (1-800-648-7864). For technical support, please call (415) 691-4465. For the latest device drivers, our BBS # is (415) 691-4469.

MITSUMI

Power in Peripherals™

© 1995 Mitsumi Electronics. All rights reserved. Mitsumi CD-ROM Drives are MPC compliant, supports KODAK® PhotoCD™ and all international standards.

FLOPPY DISK DRIVES KEYBOARDS MICE CD-ROM DRIVES

GET AHEAD WITH

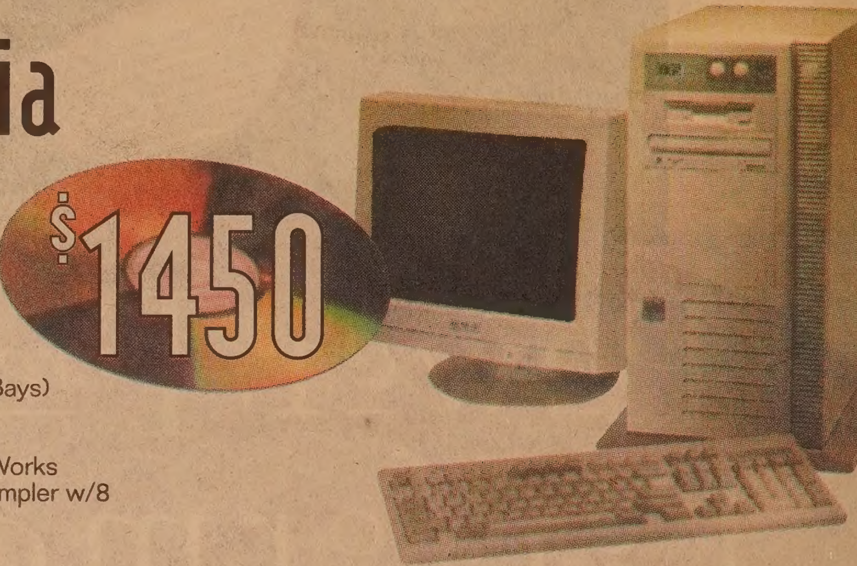
This Latest Multimedia Technology.

2 YEARS WARRANTY
GUARANTEED
LIMITED PARTS
LIFETIME LABOR

intel inside

Intel® Multimedia

- Pentium Ready 486-66MHz Computer
- 15" Flat Screen Digital Monitor (.28 Hi-Res)
- 850MB Fast IDE Hard Drive w/8MB Ram
- 32Bit Video Access w/1MB Upgradable to 2MB
- 32Bit Hard Disk Access w/2S 1P 1Game
- 3.5 Hi Density Floppy Drive
- 101 Enhanced Keytronic Keyboard
- Quad Speed-4X CD-ROM Drive
- 16 Bit Digital Stereo Sound Card
- Mini Tower Case w/230 Watt P/S (Exp. to 6 Drive Bays)
- True Hi-Fi Multimedia Speakers
- (The Best CD Bundle in the Market)
- MicroSoft Encarta 95 • Microsoft Golf •Microsoft Works
- MicroSoft Dangerous Creatures •MicroSoft CD Sampler w/8 Windows Games
- Headphones & Mic For True Multi-Media Use



$1450

intel inside

Intel®-P100

- Intel Pentium 100 MHz Computer
- 1.2 Gig's w/Fast SCSI Data
- 256K Cache Expandable to 1MB Cache
- 16MB RAM Expandable to 128MB
- 17" MAG DX17F Digital Control (Microprocessor based)
- Hi-Den 3.5 (Teac) Floppy Drive
- Adaptec 2940 SCSI II Ctrl. Card
- ATI Mach 64 PCI w/2MB Video Card
- Microsoft Mouse
- Focus 101 Keyboard
- Enhanced 300 Watt Full Tower Case

$2795

MAG

intel inside

Intel®-100

- Fastest 486 put out by Intel® DX4 100MHz
- 32-Bit SVGA w/1MB Expandable to 2MB
- 32 Bit Hard Disk Access w/2S 1P 1Game
- 540MB Fast IDE Hard Drive
- HiDensity 3.5 Teac Floppy Drive
- 8MB 72 Pin Memory Expandable to 128MB
- Hi-Resolution 14" Super VGA Monitor Edge to Edge
- Mini Tower Case w/230 Watt P/S
- Hi-Res Genius Mouse One
- 101 En-Keytronic Keyboard

$1195

intel inside

VLB Best Buy

- Intel DX2-66 Vesa L-Bus Computer
- 540MB Fast IDE Hard Drive w/8MB Ram
- Hi-Density 3.5 Teac Floppy Drive
- Super VGA Edge to Edge 14 inches monitor
- Mini Tower Case w/230 Watt P/S
- Hi-Res Genius Mouse
- 32-Bit Video Access w/1MB Expandable to 2MB
- 32 Bit Hard Disk Access Ctrl. w/2S 1P 1Game

$995

Music P-Notebook

- Intel Pentium 90MHz processor
- 8MB Ram Expandable to 16/24/40MB Ram
- 128KB AMI BIOS w/Password Security
- 3.5 1.44 Floppy Drive, Removable 340MB H/D/D
- Windows Accelerator Local Bus Video Card
- 10.3" VGA LCD Display, up to (1280 x1024)
- PCMCIA Slots (1 Type III and 1 Type II Slots)
- Hi-Speed Serial port w/printer port & Ext. Keyboard
- Built-in 25mm Trackball
- Extra Large Capacity NIMH battery/2 Hour Quick Charge
- 8.15 Lbs with Battery, Built-In Intelligent Power Management (1PM)
- Built-in 16-Bit Stereo Audio Sound Card & Built-in Stereo Speakers
- Audio System: Record, Compress, Store and Playback Voice

pentium PROCESSOR

$2395 Dual Color

$2895 Active Color

Music 75 Notebook

- Intel DX4-70 MHz processor
- 4MB Ram Expandable to 8/12/36MB Ram
- 128KB AMI BIOS w/Password Security
- 32 Bit Local Bus Windows Accelerator Video
- 32 Bit Local Bus Hard Disc Access
- 340MB Removable Fast IDE Hard Drive
- 9.5" LCD Display w/Programmable Screen Saver
- PCMCIA 2.0 (2 Type II or Type III Slots)
- Built in 19mm Trackball
- Extra Large Battery w/2 Hour Quick Charge
- 6.2 Lbs. with Battery w/Carrying Bag w/Strap
- Audio System: Record, Compress, Store and Playback Voice
- Built-in Microphone & Stereo Speakers

$1395 Mono Display

$1795 Dual Color

$2395 Active Color

Prices subject to change w/out notice.

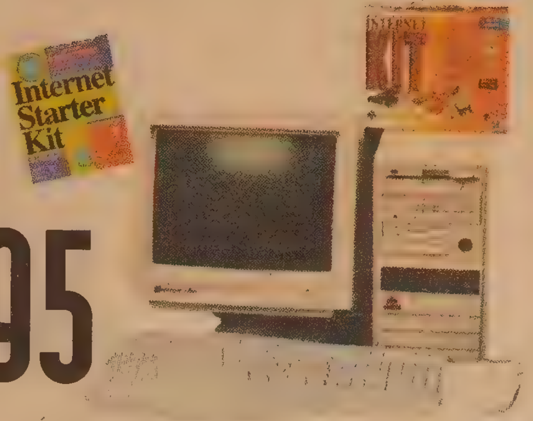
EXPLORE YOUR WORLD

ut, You Need One of These...

nternet 486/66

- ternet Starter Kit (Everthing you need to go on the Internet)
- oftware Included, Eudora 1.4 (Most popular Internet E-Mail program)
- i-Speed Fax/Modem Card 14.4 bps.
- tel DX2-66 Vesa L-Bus Computer
- MB Ram
- 40MB Fast IDE Hard Drive
- i-Density 3.5 Teac Floppy Drive
- uper VGA Edge to Edge 14 inch monitor
- lini-Tower Case w/230 Watt P/S
- i-Res Genius Mouse
- 2-Bit Video Access w/1MB Expandable to 2MB
- 2-Bit Hard Disk Access Ctrl. w/2S 1P 1Game

$1195



free trial

DELPHI INTERNET
AMERICA Online
PRODIGY Service
CompuServe
The information service you won't outgrow.

THE COMPLETE HOME/OFFICE PACKAGE

$1375

- entium Upgradable 486-66MHz Computer
- aser Quality, Reliable Hewlett Packard 540
- rinter (color optional)
- tel DX2-66 Vesa L-Bus Computer
- 40MB Fast IDE Hard Drive w/8MB Ram
- -Density 3.5 Teac Floppy Drive
- uper VGA Edge to Edge 14 inch Monitor
- MB 72pin Memory Expandable to 128MB
- -Resolution 14" Super VGA Monitor
- dge to Edge
- ini Tower Case w/230 Watt P/S
- -Res Genius Mouse
- Bit Video Access w/1MB Expandable to 2MB
- Bit Hard Disk Access Ctrl. w/2S 1P 1G

ATC PARTS
Backed By 2 Years Limited Warranty

THE PENTIUM POWER USER

- Pentium 60MHz PCI Bus Computer
- 15" Flat Screen Digital Control Monitor (Edge to Edge)
- 540MB Fast IDE Hard Drive
- 8MB 72pin Memory Expandable to 128MB
- PCI 64-Bit Windows Accelerator/ w/1MB exp. 2MB
- PCI-64 Bit Hard Disk Access Controller Card
- Hi-Density Teac Floppy Drive
- MicroSoft Hi-Res Mouse
- Focus 101 En-Keyboard
- Mid-Size Tower Case w/250 Watts P/S (G Drive Bays)

MONITORS	
51ES 14" SVGA-NI	$219
65 GM 15" SVGA-NI (GREEN)	325
62 GM 15" SVGA-NI (GREEN)	309
65 GM 17" SVGA-NI (GREEN)	527
X-15F 15" SVGA-NI (GREEN)	319
X-17F 17" SVGA-NI (GREEN)	589
X	CALL
JEST 2000DC 15" SVGA-NI (GREEN)	355
JEST 4000DC 17" SVGA-NI (GREEN)	649
15SF Multiscan 15" SVGA-NI (GREEN)	435
17SF Multiscan 17" SVGA-NI (GREEN)	855
ONIC 15G 15" SVGA-NI (GREEN)	365
ONIC 15 15" SVGA-NI (GREEN)	389
ONIC 17G 17" SVGA-NI (GREEN)	674
ONIC 17 17" SVGA-NI (GREEN)	785
ONIC 20G 20" SVGA-NI (GREEN)	1199
ONIC 21PS 21" SVGA-NI (GREEN)	1585

TAPE BACKUPS	
ADO DJ-20 INTERNAL 250MB	133
ADO DJ-30 INTERNAL 350MB	159
ADO DJ-25 INTERNAL 700MB	275
ADO JT-20 EXTERNAL 250 PARALLEL	265
ADO JT-30 EXTERNAL 350 PARALLEL	307
R TAPESTOR 250 INTERNAL	135
R TAPESTOR 420 INTERNAL	175
R TAPESTOR 850 INTERNAL	275

HARD DISK DRIVES	
WESTERN DIGITAL AC2420-420MB IDE	179
WESTERN DIGITAL AC2420-540MB IDE	215
WESTERN DIGITAL AC2700-730MB IDE	239
WESTERN DIGITAL AC2850-850MB IDE	265
WESTERN DIGITAL AC 31000-1GB IDE	352
WESTERN DIGITAL AC 31200-1.2GB IDE	379
CONNER CFS 425A-425MB IDE	165
CONNER CFS 540A-540MB IDE	179
CONNER CFA 850A-850MB IDE	259
CONNER CFA 1275A - 1.2GB IDE	359
CONNER CFP 1080S - 1.08GB SCSI-2	459
CONNER CFA 1060SW -1.08GB WIDE SCSI-3	529
MAXTOR MX-7540A - 540MB IDE	185
MAXTOR MX-7850A - 850MB IDE	249
MAXTOR MXT-71260A 1.2GB IDE	379
SAMSUNG 420MB IDE	162
SAMSUNG 560MB IDE	174
SEAGATE 3660A - 540MB IDE	175
SEAGATE 31200A - 1.05GB IDE	349
SEAGATE 31230N - 1.05GB SCSI	559
SEAGATE 32430N - 2.14GB SCSI	929

MEMORY	
1MBx9 3(70ns) (30pins)	38
1MBx32 (70ns) (72 pins) 4MB	150
2MBx32 (70ns) (72 pins) 8MB	295
4MBx32 (70ns) (72 pins) 16MB	465

MOTHERBOARDS	
PENTIUM 100MHz 4 PCI/4 ISA BUILT-IN 16550 HIGH SPEED IO W/CALL	988
PENTIUM 90MHz PCI 256K CACHE BUILT-IN 16550 UART HIGH SPEED IO W/CALL	666
PENTIUM 75MHz PCI 256K CACHE W/CPU	599
PENTIUM 66MHz PCI 256K CACHE W/CPU	488
PENTIUM 60MHz PCI 25614 CACHE W/CPU	469
486DX4-100MHz PCI 256K CACHE W/CPU	355

FAX/MODEMS	
SMARTLINK 14.4 INTERNAL DATA/FAX	59
SMARTLINK 14.4 INTERNAL DATA/FAX/VOICE	75
SMARTLINK 14.4 EXTERNAL DATA/FAX	89
SMARTLINK 28.8 INTERNAL DATA/FAX	160
SMARTLINK 28.8 EXTERNAL DATA/FAX	189
U.S. ROBOTICS SPORTSTER 14.4 INTERNAL DATA/FAX	99
U.S. ROBOTICS SPORTSTER 14.4 EXTERNAL DATA/FAX	129
U.S. ROBOTICS SPORTSTER 28.8 INTERNAL DATA/FAX	219
U.S. ROBOTICS SPORTSTER 28.8 EXTERNAL DATA/FAX	239
DATA FAX 14.4/14.4 INTERNAL FAX MODEM W/VOICEMAIL PHONE LINE & SOFTWARE	69
DATAFAX 14.4/14.4 EXTERNAL FAX MODEM W/PHONE LINE & SOFTWARE	79

KEYBOARDS	
HONEYWELL 101 KEYS	29
KEYTRONIC KT-2000	25
FOCUS 2001 W/HARD DUST COVER	32
FOCUS 6000 (SOFT CLICK)	23
FOCUS 7000 W/TRACKBALL	35
FOCUS 8000 (CALCULATOR,SOFTCLICK)	36
FOCUS 9000 (PROGRAMMABLE CALCULATOR)	46
FUJITSU 4720 (CLICK)	39
MICROSOFT NATURAL HI-TECH	89

CD-ROM DRIVES	
CREATIVE LABS DISCOVERY CD 16 KIT NEW EDITION	255
CREATIVE LABS DIGITAL SCHOOL HOUSE 16 KIT	250
CREATIVE LABS 4X CD KIT W/16 TITLES	399
CREATIVE LABS ENTERTAINMENT CD 16 KIT	CALL

MICE/TRACKBALLS	
LOGITECH BUS MOUSEMAN	62
LOGITECH PS-2/SERIAL MOUSEMAN	43
LOGITECH PS-2/SERIAL TRACKMAN	69
LOGITECH CYBERMAN 3D	42
LOGITECH CORDLESS MOUSE	85
MICROSOFT SERIAL MOUSE	27
MICROSOFT BUS MOUSE	52
MICROSOFT BALLPOINT TRACKBALL	49

CONTROLLERS	
32BIT DUAL FLOPPY HARDDISK CONTROLLER	19
ENHANCED IDE + HI-SPEED I/O 16550 UART	45
FAST PCI IDE CONTROLLER W/CABLE	35
PCI SCSI CONTROLLER W/CABLE	79
ADAPTEC 1542K SCSI CONTROLLER	179
ADAPTEC 2842K VESA LOCAL BUS	255
ADAPTEC 2940 SCSI PCI	228

ATC COMPUTER - *5 LOCATIONS*

axtor TOSHIBA NEC SONY CONNER HEWLETT PACKARD Authorized Dealer Panasonic

S ANGELES
50 BEVERLY BLVD.
(213) 938-6622

HOLLYWOOD
6301 SUNSET
(213) 962-8610

TORRANCE
15800 HAWTHORNE BL. #D
(310) 370-2655

ORANGE
1132 E. KATELLA AVE. #A-16
(714) 744-5156

VAN NUYS
6411 SEPULVEDA BL. #J
(818) 988-9806

Contributors MICROTIMES

Robert Moskowitz (*RMoskowitz@aol.com*) is a consultant based in Woodland Hills.

Smoot Carl-Mitchell (*smoot@tic.com*) is the managing partner of TIC (Texas Internet Consulting) and president of MIDS (Matrix Information Directory Services).

David Morgenstern works at MacWEEK and volunteers at BMUG.

Bill Gram-Reefer, based in Concord, CA, is president of WORLDVIEW, specializing in connectivity and communications. He has been writing about Macintosh computers since 1984.

John C. Dvorak is a prolific author of columns and a voracious reader of weird stuff.

John S. Quarterman (*jsq@tic.com*) is the senior technical partner of TIC (Texas Internet Consulting) and editor of *Matrix News*. He is a longtime observer, consultant, and writer on the matrix of electronic networks.

Jonathan E. has worked with desktop multimedia since 1988. His USPS mailing address is c/o SoundSwell, 54 29th St., Richmond, CA 94804. His email address is *jeve@well.com* .

Paul Hoffman is an independent consultant who's been writing about computers for over fifteen years.

Douglas J. Nakakihara (*djn@ix.netcom.com*) is a full-time CPA and owner of Electrical Language, a computer videographics company based in Simi Valley, CA.

Tony Reveaux, a San Francisco-based consultant, writes the "MediaScan" column in *Film/TapeWorld*, and is the West Coast correspondent for *Computer Video*. He can be reached at (415)648-5958 or *TonyR10862@aol.com* .

Peter John Harrison (*peterh@well.com*) is a San Mateo-based data communications and connectivity specialist.

Jim Warren has received the Hugh M. Hefner First Amendment Award (1994), the James Madison Freedom-of-Information Award from the Society of Professional Journalists—Northern California (1994), and the Electronic Frontier Foundation Pioneer Award (1992, its first year). He led the successful 1993 effort to make state legislation and statutes available via the public nets without state fees.

He organized and chaired the landmark First Conference on Computers, Freedom & Privacy (1991), founded *InfoWorld*, was founding host of PBS's *Computer Chronicles* and founding editor of *Dr. Dobb's Journal*, and has chaired various computer and mathematics organizations. He holds graduate degrees in computing (Stanford), medical information science (UC Medical Center), and mathematics and statistics. He began working as a programmer in 1968, and was a mathematics teacher and professor for ten years before that.

Birrell Walsh (*birrell@well.com*) is a contributing editor for *MicroTimes* and a free-lance writer for *BYTE* and other magazines.

Mitsu Hadeishi (*mitsu@openmind.com*) is the owner of Open Mind Systems in Ashland, Oregon.

Express Yourself!

Send Letters to the Editor to us at these addresses:

US Mail:
Letters
MicroTimes
3470 Buskirk Avenue
Pleasant Hill, CA 94523
fax: (510)934-3958
Internet: *microx@well.sf.ca.us*
MCI: *MicroTimes*
America Online: *MicroTimes*

Credit Where It's Due

In last month's issue, we inadvertently neglected to credit the photo of Alvin Toffler on the cover. The photographer is Robert Basile; Photoshop enhancements were done by our own Rick Colby. We sincerely apologize to one and all who were inconvenienced by this oversight.

—eds.

OPEN 7 DAYS

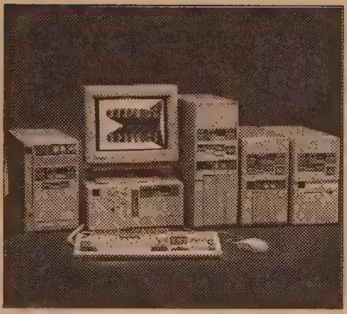
Computer Pacer

1460 Monterey Pass Rd. #B, Monterey Park, CA 91754
MON - FRI 9am-6pm • SAT 10am-3pm • SUN 1pm-5pm
PHONE: (213) 262-1087 FAX: (213) 264-1431

WHO'S WHO REGISTRY 1994-1995

Thank You For Choosing Us:
City of Monterey Park
County of Los Angeles
DWP • Honeywell NBC • U.S.C.

CUSTOM CONFIGURATIONS AVAILABLE



PERIPHERALS

MONITORS

Shamrock 14" SVGA .39	$198
Shamrock 14" SVGA .28 NI	$239
Shamrock 15" SVGA .28 NI Digital	$329
Shamrock 17" SVGA .28 NI	$569

FAX/MODEMS

• 14,400 Int. Fax Modem .32, .42 w/phone cable and Winfax Lite Software	$59
• 14,400/14,400 External Fax Modem w/Cables & Software	$89
• 28,800/28,800 V.34 w/Software & Phone Cable	$139
• Voice Activated Fax Modem 14,400/14,400	$69

ADD ON CARDS

• 32 Bit VL Bus IDE I/O Enhanced	$29
• ATI PCI 64 Bit 16.7 Million Color Super VGA Graphic Card w/Two Megs	$198
• 32 Bit VL Bus Graphic Card Expandable to 2MB	$79

HAND SCANNER FOR WINDOWS

Windows-based Photo Deluxe image processing software converts black & white images into 256 greyscale images; includes GO-OCR software, features side-mounted buttons and rear wheels for easy scanning	$119

NETWORKS

Novell Netware	CALL
Ethernet Network Card 16 Bit	$49

ACCESSORIES

Power Center Surge Protector	$28

KEYBOARDS

101 Enhanced Keyboard w/Dust Cover	$28
Keytronic 101 Enhanced Keyboard	$38

POWERSUPPLIES/UPS

200 Watt UL	$38
230 Watt	$38

CASES

Vertical Case w/P/S	$47
Desktop Case w/P/S	$69
Deluxe Vertical w/250 P/S	$79
Heat Sink Fan	$9

MODEL	[illegible]	[illegible]	BEST BUY [illegible]	[illegible]	[illegible]	[illegible]
CASE	Vertical or Desktop	Vertical or Desktop	Vertical or Desktop	Vertical or Desktop	Vertical or Desktop	Vertical or Desktop
PROCESSOR	AMD DX4-100	AMD DX4 100	AMD DX4 100	Intel Pentium 75	Intel Pentium 90	Intel Pentium 100
MEMORY	4MB, 256K Cache	4MB, 256K Cache	8MB, 256K Cache	8MB, 256K Cache	8MB, 256K Cache	8MB, 256K Cache
STORAGE	540MB 3.5" High Density Floppy Drive	540MB 3.5" High Density Floppy Drive	850MB 3.5" High Density Floppy Drive	850MB 3.5" High Density Floppy Drive	1.2 Gig 3.5" High Density Floppy Drive	850MB 3.5" High Density Floppy Drive
VIDEO	VESA Bus Video 1MB Expandable to 2MB	VESA Bus Video 1 MB Expandable to 2MB	VESA Bus Video 1 MB Expandable to 2MB	PCI Bus Video 64 Bit 1MB Expandable to 2MB	PCI Bus Video 64 Bit 1MB Expandable to 2MB	PCI Bus Video, 64 Bit 1MB, Expandable to 2MB
EXPANSION	7 Expansion Slots 4 Drive Bays	7 Expansion Slots 4 Drive Bays	7 Expansion Slots 8 Drive Bays	7 Expansion Slots 8 Drive Bays	8 Expansion Slots 8 Drive Bays	(8) Expansion Slots (8) Drive Bays
COMMUNICATION	Ideal for Schools & Start-Up Business	14,400 bps Fax/Modem Win Fax Lite Software Bit Comm Software Phone Cable	14,400 bps Fax/Modem Win Fax Lite Software Bit Comm Software Phone Cable	14,400 bps Fax/Modem Telephone Answer System Voice Mail Software, Phone Cable	14,400 bps Fax/Modem Telephone Answer System Voice Mail Software, Phone Cable	14,400 bps Fax/Modem, Telephone Answer System Voice Mail Software, Phone Cable
DELUXE MULTIMEDIA KIT	Double Speed CD ROM Drive 16 Bit Stereo Sound Card Amplified Stereo Speakers	Double Speed CD ROM Drive 16 Bit Stereo Sound Card Amplified Stereo Speakers	4X Quad Speed CD ROM Drive 16 Bit Stereo Sound Card Amplified Stereo Speakers	Double Speed CD ROM Drive 16 Bit Stereo Sound Card 60W Amplified Stereo Speakers	4X Quad-Speed CD-ROM Drive 16 Bit Stereo Sound Card, 60W Amplified Stereo Speakers	4X Quad Speed CD-ROM Drive 16 Bit Stereo Sound Card, 60W Amplified Stereo Speakers
MONITOR	14" SVGA Color Non-Interlaced 1024 x 768 .28dp Tilt & Swivel	14" SVGA Color Non-Interlaced 1024 x 768 .28dp Tilt & Swivel	14" SVGA Color Non-Interlaced 1024 x 768 .28 dp Tilt & Swivel	14" SVGA Color Non-Interlaced 1024 x 768 .28dp Tilt & Swivel	14" SVGA Color NI 1024 x 768 .28 dp Tilt & Swivel	14" SVGA Color Non Interlaced 1024x768 .28dp Tilt & Swivel
ACCESSORIES	MS Compatible 3 Button Serial Mouse Mouse Pad	MS Compatible 3 Button Serial Mouse Mouse Pad	MS Compatible 3 Button Serial Mouse Mouse Pad	MS Compatible 3 Button Serial Mouse Mouse Pad	MS Compatible 3 Button Serial Mouse Mouse Pad	MS Compatible 3 Button Serial Mouse Mouse Pad
OTHER	Enhanced Hard Floppy Controller 2S, 1P/Game, 9 CD Titles, 101 Space Saver Enhanced Keyboard	Enhanced Hard Floppy Controller 2S, 1P/Game, 14 CD Titles, 101 Space Saver Enhanced Keyboard	Enhanced Hard Floppy Controller 2S, 1P/Game, 9 CD Titles, 101 Space Saver Enhanced Keyboard	Enhanced Hard Floppy Controller 2S, 1P/Game, 9 CD Titles, 101 Space Saver Enhanced Keyboard	Enhanced Hard Floppy Controller 2S, 1P/Game, 9 CD Titles 101 Space Saver Enhanced Keyboard w/Dust Cover	Enhanced Hard Floppy Controller 2S, 1P/Game. 9 CD Titles 101 Space Saver Enhanced Keyboard w/Dust Cover
PRICE	ONLY $1,198	ONLY $1,267	ONLY $1,[illegible]	ONLY $1,698	ONLY $1,888	ONLY $1,948

1995 SPECIALS

Multimedia Bundle
2X Double Speed (300K) Valuable Kit
- Sony 33A CD ROM Compatible (250ms)
- True 16-Bit Stereo Sound Card
- Pre Amplified Stereo Speakers
- 12 CD Titles (Encyclopedia, Animals, etc.)

$208

2X Sound Blaster Multi CD 16
- Panasonic 563 2X CD ROM (250ms)
- Sound Blaster 16-Bit Stereo Sound Card
- Pre Amplified Stereo Speakers & Microphone

$228

4X Teac Quad Speed (195ms/600K)
- TEAC Quad Speed CD ROM
- Sound Blaster 16-Bit Stereo Sound Card
- Pre Amplified Stereo Speakers
- 14 CD Titles

$288

4X SCSI (155ms/600K)
- Sound Blaster 16-Bit SCSI Stereo Sound Card
- Pre Amplified Stereo Speakers

$428

Multimedia Special

Sony Double Speed CD ROM 250ms, External Sound Speakers, Sound Blaster 16 Bit, Stereo Compatible Sound Card Sound Software

$178

Deluxe CD Titles:

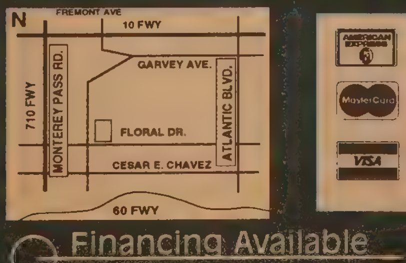
-Encyclopedia
-Robocop 3D
-Ocean F-29
-Pushover
-Epic
-Might & Magic
-D/Generation
-Contraption Zack
-Chessmaster 2100
-Life & Death II
-US Atlas
-Chessmaster 3100
-World Atlas
-Mavis Beacon Teaches Typing

$39

Shamrock Digital 17" Super VGA Color Monitor w/Tilt and Swivel

only $569

- TERMS: C.O.D., Cash & Company POs on approval
- Prices do not include shipping.
- Prices subject to change without notice.
- Listed names of products are registered trademarks of their respective companies.
- Pacer USA is a trademark of Power Tech, Harrington.
- One Year Warranty Parts & Labor.
- Advertised prices reflect a cash discount.



AMERICAN EXPRESS
MasterCard
VISA

Financing Available

Have you looked at your local Yellow Pages recently? It's not as thick as it was 3 years ago. The recession had a lot to do with it but businesses fail in good times and bad. Why? There are many reasons:
- Not enough money to survive during the bad times.
- Offering products and services that haven't kept up with technology or demand.
- Selling products that are of inferior quality.

You may not have heard of Computer Pacer USA, but it's been in business for over 8 years – almost half the life of the personal computer industry.

We Accept Government Purchase Orders 30 Days - 45 Days

Service and reliability are the keys to customer satisfaction. We're here to answer your questions. When you want new products or services, we make sure the products are dependable and powerful. We guarantee good service and deliver a product with a good value. We don't charge too much. Computer Pacer's specialty is computers that meet the customer's needs – a first time buyer or a corporation.

Over the years the company has grown but the tradition of service and quality continues. Computer Pacer customers count on it. You can too!

- ***Free 3 Button Serial Mouse***
- ***Free CD w/System Purchase***

PCW WAREHOUSE

Nationwide's TOP 5 leading computer stores

Authorized Service Center for Compaq, IBM, HP,Epson,Panasonic..

COMPAQ Presario
954 486DX4-100...$1699-8/535mb
972 586/75..$1969 - 8/725mb
ProLinea992 586/100.$2895-16/1GB

IBM PS/1 486DX2-50...$995
4/340 HDD Desk top case

NEC Pentium-75...$1795
8mb /560 HDD Tower case

EPSON 486DX2-66...$1295
4/560 HDD CD-Rom Desk top

DELL XPS Dimension 586
P-75...$1995
XPS Dimension 586 P-120...$3749

Pentium-100...$1495
INTEL CPU 586-100 Mhz
M/B w/256k, 8mb RAM
540mb Hard disk1.44 FDD
PCI SVGA card, PCI IDE
586--120Mhz....$1795

EPSON Laser
(B-Stock)...$299
6ppm, 512K, Upgrade 2MB...ADD $59

Upgrade
Intel CPU 486DX2-66...$149
Upgrade to 486DX2-66...$299
to Pentium 586-100 from..$895
to Pentium 586-133from..$995

HDD/FDD
Maxtor 2GB...$995
Maxtor 1.2GB.$349 Maxtor - 850..$249
Maxtor 540..$179 (Gen) 560mb.$159
NEC 1.44 mb FDD ..$29 1.2mb ..$39

CD-ROM
Chinon 4xSP... $159
NEC 4xSP 511...$259
Toshiba 4xSp...$269
NEC 6xSp 502...$479

NEC
3FGe..$429(New)
4FGe..$429
5FGe..$739
$ave
(Renew)- Special price
w/1year Warranty

Panasonic
C1491 NI...$249
C1591 NI ...$375
C1791E(digital)...$749

SONY
1425(14")..$329
15SF(B)..$379 15SF..$449 17SF..$845
17SE...$799 17SEI..$1045

Toshiba "Low price Guaranteed"
2150CDS 486DX4-75 4/500....$2995
2150CDT 486DX4-75 8/500...$3695
4900CT 486DX4-75 8/740mb...$4495

NEC
Versa 50V 4/510 Act...$2798
Versa 586-75 8/340 Act...$3995
Versa P 586-75 8/510 Act...$4395
Versa P586-75 8/810 HC...$4995

IBM
ThinkPad 755C 4/540
Passitive $3595
ThinkPad 755CE 8/540
10.4" Act. Matrix......$4995

EPSON
Action-650........$1395
Action-650C.....$1845
Action-866C.....$2395

DELL
Latitude XP 75.......$2995
XP DX4-100...........$3995

COMPAQ
Contura 410 C......$2295
Contura 410CX ...$2895
LTE Elite 4/75 CX 8/540 ....$3990

Canon
NoteJet 540slc2-50 4/260
w/Printer Color....$3295

All prices base on cash discount,Availability & Prices are subject to change without notice.Available only at PCWarehouse S.CA.

TempleCity:818-285-6663
5817 Rosemead Blvd. (At Las Tunas)
Thousand Oaks: 805-379-0181
3835R Thousand Oaks Blvd. (Westlake Blvd.)

Gardena: 310-516-2098
1355 W. 190th St. (405 at Normandie)
Santa Fe Springs: 310-926-7363
13340 Firestone Blvd.

City of Industry: 818-913-7121.
17405, E.Gale Ave
Encino: 818-907-6476
15617 Ventura Blvd.(101 at Haskell)

Finacial Available 90 Days Same as cash

Dunwell Computer (Wholesale Division ***Dealers Only)
(All wholesale price & Low price Guaranteed)

Panasonic Office Automation OA
P1150..$119
P2130..$169*
P2135..$189*
KX-P3123/3124..$240/319
KXP-3624..$389
P4400...$369*
P5400...$499
KXP-100 3 in-1..$755

CITIZEN
GSX-220/230..$159/199

SHARP
JX-9460-PS.$675
6PPM,600DPI
2MB, Postscript

hp
DJ--320..$285
DJ-540...$219
DJ660C...$450
DJ-1200C..$950 OfficeJet.$685
4L...$490 5P..$875 4+..$1345
4M+.$1835 4V.$1845 4MV.$2645
Scanjet 3P..$375 IIIc..$895
4SI, Color Laser printer....Call

Canon
BJ-200e(B)...$179
BJ-200ex....$229
BJ-230...$395(wide)
BJC-4000..$349 BJC-600e..$445

EPSON 720
Action 2250...$99
LX-300....$165
LQ-570+.....$245
FX-870...$279
FX-1170....$385
LQ-1070+.$375
LQ-870..$439 LQ-1170.$599
Stylus 400..$199 800+.$219
Stylus Color 720 DPI...$499
Action11/1400...$379/$459
DFX-5000+..$1445 8000..$2425

IBM
Ink J/color.$249/325
4037E/39..$625/1095
Lexmark 4039-12R+...$1195

Dunwell

Encino
15617 Ventura Blvd
(818) 906-9691

Gardena
1355 W. 190th St.
(310) 217-8995

City of Industry
17405 A-1. E.Gale Ave
(818) 913-8686

HIGH SPEED COMMUNICATIONS

NOW INSTALLING: Access to the INFORMATION SUPER HIGHWAY!!!

Dial-Up - ISDN - 56K - T1 - T3

Routers - Bridges - CSU - DSU - Channel Bank - Multiplexors...
Video Conferencing - Imaging - RAS - PPP - Slip...
Long Distance Switched or Dedicated...

Microsoft
MICROSOFT WINDOWS READY-TO-RUN

CASE LOGIC PictureTel Motorola IBM ISDN*TEK AT&T ZyXel Cisco

WHY ONLY 28,800? ISDN = 56,400 ERROR FREE!!

HACKER ELECTRONICS & COMPUTERS
(818) 882-7980
21010 DEVONSHIRE
CHATSWORTH, CA

DISCOVER VISA MasterCard

BAM ACCESS TO MARKETS BAM MEDIA BAM ACCESS TO MARKETS

California's Computer Magazine
MICROTIMES™

EDITOR-IN-CHIEF
Dennis Erokan

PUBLISHER
Chuck Stanley

EDITORIAL 510-934-3700
email: Microx@well.sf.ca.us
EDITOR Mary Eisenhart
ASSOCIATE EDITOR Michael Robin
NEWS EDITOR Paul Hoffman
ART DIRECTOR Monika Lukenbill
EDITORIAL DESIGNER Rick Colby
EDITORIAL ASSISTANT John Downen
CONTRIBUTING EDITORS Lenny Bailes, John Perry Barlow, Smoot Carl-Mitchell, Jennifer Robin Cherniss, John C. Dvorak, Jonathan E., Bennett Falk, Mitsu Hadeishi, Peter John Harrison, Ed Kahn, Matthew Leeds, David Morgenstern, Robert Moskowitz, Douglas J. Nakakihara, Fabian Pascal, John S. Quarterman, Tony Reveaux, David A. Simon, CPA, Birrell Walsh, Jim Warren, John Wolcott
CONTRIBUTING WRITERS Cynthia Dyer-Bennett, Bill Gram-Reefer, Woody Liswood, Judy Malloy, Pamela Mason, Kevin Savetz
CONTRIBUTING PHOTOGRAPHERS Michael Jay, Anne Knudsen, Susana Millman, Paul Winternitz

ADVERTISING 213-851-8600
BUSINESS MANAGER Jennifer Kosta
SENIOR ACCOUNT DIRECTOR (NO. CAL.) Barry Green
ACCOUNT EXECUTIVES Marty Gillow, Tracy Longo, Ken Marson, Herb Mendelsohn, Chloe Vezo
MARKETING MANAGER Carolyn Guerrero
CLASSIFIED MANAGER (NO. CAL.) Alexander Marmur
ADVERTISING SERVICES ASSISTANT
Chad Schmidt (Northern California)
Michelle Rosendin (Southern California)

PRODUCTION
DIRECTOR OF PRODUCTION Amy Marson
GROUP PRODUCTION MANAGER Mary Beth DeSantis
GRAPHIC ARTS MANAGER Gary Sparks
AD COORDINATORS Cassidy Allen, Chad Schmidt
DATA ENTRY OPERATORS Michael Anasaldo, Carol Higgins
GRAPHIC ARTS STAFF Randy Atwood, Linda Burkard, London Cammack, Eleanor Carag, Paul Dorian, Peter Kowalesyn, Miranda Liss, Tracy McCormack, Michelle Roberts, Jennifer Walker
PROOFREADER Becky Forsyth

ADMINISTRATION
HUMAN RESOURCES DIRECTOR Erica Stein-Oakley
N.C. OFFICE MANAGER Lori Sutherland
N.C. ADMINISTRATIVE ASSISTANT Kerri Neely
L. A. ADMINISTRATIVE ASSISTANT Jacqui Tavis

ACCOUNTING/COMPUTER SERVICES
CONTROLLER Linda May
ACCOUNTING Joaquin Arellano, Vickie Liu, Brian Murray, Bonnie Peterson, Sara Tassione
CREDIT MANAGER Doug Morgan
NETWORK/COMPUTER SUPPORT Jason Boatman

DISTRIBUTION 213-851-8600
DISTRIBUTION MANAGER John Erokan
ASSISTANT MANAGER/LA Art Holland
DISTRIBUTION ASSISTANT Kenny Priest
DISTRIBUTION CLERK Jesse Sullivan
FIELD COORDINATORS Roe Eyth, Frank Grygus
DISTRIBUTION Dennis Anderson, Michael Black, Candee Briggs, Gary Brandin, Fernando Cunha, Rogerio Cunha, Mike Jett, Juan Lau, Robbie Myers, Reliable Circulation, John Dimas Rezendes, Bill Rivera, SPS, Wilfredo Villarroel
PUBLICATIONS BAM

40

BPA INTERNATIONAL®

FOUNDERS
Dennis Erokan, Don Hamilton, Pat Hamilton

This Vol. 11 No. 8 July 24, 1995, Whole No. 139. MicroTimes, California's Computer Magazine, is published by BAM Media, Inc., 3470 Buskirk Ave., Pleasant Hill, CA 94523. Phone Advertising Office (510)934-3700. Fax (510)934-7351. email Microx@well.sf.ca.us Los Angeles Office, 6767 Forest Lawn Drive, Suite 110, Los Angeles, CA 90068. Phone (213) 851-8600. Fax (213)851-8303. San Jose Office, 36 Harold Ave., Suite 2, San Jose, CA 95117. Phone (408) 244-4400. Fax (408) 248-4552. Anaheim Office, 801 East Katella Ave., Suite #210, Anaheim, CA 92805. Phone (714) 939-2809. Fax (714)978-6135. MicroTimes™ is © 1995 by BAM Media, Inc. Subscription rates: 14 issues, U.S.: 4th Class $35 (Allow 3 to 4 weeks for delivery). 1st Class $65 (Allow 1 to 2 weeks for delivery). MEXICO & CANADA: Surface Mail $50 (Allow 4 weeks for delivery). Air Mail $75 (Allow 1 week for delivery). OVERSEAS: Surface Mail $50 (Allow 6-10 weeks for delivery). Air Mail $178 (Allow 1 week for delivery). To receive sample issues, please send $5 ($6 for overseas) to cover postage costs. Back issues are $6 each. All rights reserved. Reproduction in whole or in part without permission of Publisher is strictly prohibited. The staff and management of MicroTimes do not advocate or encourage the use of any product or service advertised herein for illegal purposes.

WHOLESALE TO THE PUBLIC

FREE PAGER OFFER W/COMPLETE SYSTEM PURCHASE!

FREE MOUSE & SOFTWARE w/COMPLETE SYSTEM PURCHASE:
CLIENT MANAGER • DAILY SCHEDULE • THINGS TO DO • FINANCIAL MANAGER • EASY ACCOUNTING (A/R, A/P, G/L...) !

ECONOMY SYSTEM

- Mini-Tower Case
- 1MB RAM
- 280MB Hard Disk (500MB w/Double Space)
- IDE/I/O Controller
- 1.44MB Floppy Drive
- VGA Graphic Card
- 14" SVGA Monitor
- 101 Enhanced Keyboard
- Lifetime Labor Warranty
- 1 Year Warranty
- 72-Hour Burn-In Test

386SX-40MHz	$488
386DX-40MHz	$508
486DLC-40MHz	$518
Intel 486SX2-50MHz	$608
IBM 486SLC2-66MHz	$568
486DX2-50MHz	$548
486DX2-66MHz	$508
486DX2-80MHz	$1008
IBM 486SLC-75MHz	$608

SPECIAL
WE BEAT ALL SPECIALS!
• THIS MONTH ONLY •
LIMITED QUANTITY!
486DX2-50MHz
VESA LOCAL BUS
$748

VESA LOCAL BUS SYSTEM

- Mini-Tower Case
- 256K Cache Memory
- 4MB RAM
- 420MB Hard Disk
- VESA IDE/I/O Controller
- 1.44MB Floppy Drive
- 1MB SVGA Accelerator
- 14" SVGA Monitor
- 101 Enhanced Keyboard
- Lifetime Labor Warranty
- 1 Year Warranty Parts
- 72 Hour Burn-In Test

486DX2-66MHz	$758
IBM 486SLC2-66MHz	[illegible]
486DX2-80MHz	$768
486DX4-100MHz	$798
→ Pentium PCI 60 MHz	$888
→ Pentium PCI 66 MHz	$948
Pentium PCI 75 MHz	$1078
Pentium PCI 90 MHz	$1058
Pentium PCI 100MHz	$1088
NEW! Pentium PCI 120MHz	$1508

Runs Like 90 MHz!

386SX-40MHz	Intel 486SX2 50MHz	486DX2-50MHz 256K	PENTIUM 100/120MHz
$168	$258	$258	$608/1068

Systems Include: • Super Mini Tower Case • IMB RAM • 1.44MB Floppy Drive • Super IDE/I/O Controller (1:1) • 2 Serial/1 Parallel/1 Game Port • Real Time Clock and Calendar • 101 Enhanced Keyboard • Lifetime Labor Warranty • 1 Year Warranty Parts • 72-Hour Burn-in Test

386DX-40MHz 128K	486SLC2-66MHz IBM w/Math-Co	486DX2-66/80MHz 256K	PENTIUM 75/90MHz
$188	$248	$268/278	$498/578
486DLC-40MHz	**486SLC-75MHz IBM w/Math-Co**	**486DX4 75MHz / 100MHz Intel/**	**PENTIUM 60/66MHz**
$198	$298	$328/298	$428/478

INTEL DELUXE SYSTEM

- Mini-Tower Case
- 256K Cache Memory
- 8MB RAM
- 540MB Hard Disk
- 1.44 Floppy Drive
- **SVGA VLB 1MB Accelerator (for 486 VLB) (768x1024)**
- **32 PCI 1MB Accelerator (for Pentium) (1280x1024, 16M True Color)**
- 15" Flat SVGA Non-Interlaced Monitor
- Double Speed Multi-Media Package (for 486 VLB)
- Quad Speed Multi-Media Package (for Pentium)
- 101 Enhanced Keyboard
- 3-Button MS Compatible Mouse
- Lifetime Labor Warranty
- 1 Year Parts Warranty
- 72-Hour Burn-In Test

486VLB DX2-66MHz	$1190
486VLB DX4-75MHz	$1228
486VLB DX4-100MHz	$1268
Pentium PCI 60MHz	$1408
Pentium PCI 66MHz	$1458
Pentium PCI 75MHz	$1508
Pentium PCI 90MHz	$1538
Pentium PCI 100MHz	$1588
Pentium PCI 120MHz	$2038
NEW! Pentium PCI 133MHz	$2238

Runs Like 100 MHz!

Runs Like 90 MHz!

MONITOR & GRAPHIC CARDS

14" Mono Monitor	$77
14" Mono VGA	$87
14" SVGA Color (.39)	$177
SVGA 14" (.28) Interlaced	$187
SVGA 14" (.28) Non-Interlaced	$207
SVGA 15" (.28) Non-Interlaced	$289
SVGA 17" Non-Interlaced (1280x1024)	$527
Diamond Stealth 32 1MB PCI *BEST PRICE!*	$89

MODEM & PARTS

Mouse	$6
CD ROM Double Speed	$79
FAX MODEM 9600/14.4/28.8	$25/45/115
14400 U.S. Robotics Fax/Modem	$89
Tape Drive 250M/420M	$115/145
Pentium 60/66MHz PCI Board/256K	$109
Pentium 75/90/100MHz, 256K PCI Board	$149
VLB Enhanced IDE High Speed I/O	$35
Screen Filter	$21

CD TITLES

14 CD Titles (Encyclopedia, Chess Master, U.S. Atlas...)	$26
Family Pack (World Atlas, Animals, Oceans Below, Kids Can Read...)	$36
Shareware CD Titles (Window Games, Clip Art, Fonts, Business Titles...)	$3
Adult CD Titles	$6

UPGRADES

Memory Upgrade Prices	CALL
1.2M FDD	$39
1.44M FDD	$26
486DX2-66MHz Upgrade (w/486DX-33MHz Trade-In)	$69

HARD DISK DRIVES

280MB IDE	$128
420MB IDE	$138
540 MB IDE	$148
720 MB IDE	$168
850 MB IDE	$188
1.2 GIG IDE	$248
2 GIG IDE	CALL
1.08 GIG SCSI 2	$358
2.0 GIG SCSI 2	$768

NOTEBOOKS

TOSHIBA T4900

- PENTIUM 75MHZ
- 8MB RAM
- 10.4" ACTIVE COLOR
- 770MB HARD DISK
- MULTIMEDIA SOUND
- 3 YEAR WARRANTY

$4350

T2150CDT

- INTEL 486DX4-75MHZ
- 8MB RAM
- 10.4" ACTIVE COLOR
- 500MB HARD DISK
- MULTIMEDIA (2X CD-ROM W/SOUND)
- 3 YEAR WARRANTY

$3710

PENTIUM 75MHz

- INTELPENTIUM 75MHz
- DUAL SCAN COLOR
- 540MB HDD
- 8MB RAM
- 10.3" SCREEN

$2485

MULTIMEDIA SPECIALS

CreativeLab

Panasonic CD ROM
Sound Blaster 16
CD Titles
Speakers
$199

Double Speed Package

2x Speed CD ROM
True 16 bit Sound Card
14 CD Titles
Speakers
$138

Quad Speed Package IDE

4x Speed CD ROM
True 16 bit Sound Card
14 CD Titles
25 Watt Stereo Speakers
$228

Quad Speed Package SCSI

4x Speed CD ROM
Media Vision 16 SCSI
8 CD Titles
Hi-Fi Stereo Speakers
$278

NETWORK SPECIALIST!

Novell Certified NetWare Engineer

FREE CONSULTING!!

Network Cards

Ethernet 16 Bit 10Base T/Combo	$25/27
32bit VL Bus 3-in-1 Ethernet Card	$149
32bit PCI Bus 3-in-1 Ethernet Card	$139

Network Software

Netware 3.12/4.01	CALL
Personal Ware/Lantastic	CALL
Windows for Workgroup	CALL
Windows NT	CALL

OTHER

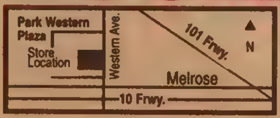
8 Port 10BT Hub	$129
16 Port 10BT Hub	$289
Connectors (Terminator BNC)	CALL
Cables (Coax, UTP, Fiber)	CALL

CALL FOR SBT ACCOUNTING PACKAGE

BUY TODAY, DON'T PAY UNTIL TOMORROW! 90 DAYS SAME AS CASH! FINANCING AVAILABLE!

COMPUTOPIA

901 N. Western Ave.
Suite 2
Los Angeles, CA 90029
(213) 467-4646
Fax (213) 467-4600



Business Hours:
Mon.-Fri.: 9:30 am-6:30 pm
Sat.: 10 am - 6 pm
Not responsible for typographical errors. Prices subject to change without notice. Prices based on cash discount. Payment Terms Available.

12093 S. Brookhurst St.
Suite D
Garden Grove, CA 92640
(714) 530-2200
Fax (714) 530-5500

UNITEK™

computer stores

W. LOS ANGELES
12024 Wilshire Blvd.
West Los Angeles, CA 90025
310.820.2400
Fax. 310. 826. 1455

ENCINO
16027 Ventura Blvd.
Encino, CA 91436
818.907.7878
Fax. 818. 907. 7799

90 DAY FREE FINANCING

SONY.
Authorized Dealer

New

CPD-1425 TRINITRON®

- 14" Super FinePitch™ Trinitron Tube (13.1 viewable image size)
- .25mm Aperture Grille pitch
- Mac Compatible
- Maximum resolutions:
  PC: 1024 x 768 at 60Hz
  MAC: 830 x 624 at 75Hz
- Energy Star Compliant
- 3 year parts and labor warranty, 2 years on CRT

$289

Multiscan 15sf

- 15" Digital Multiscan® computer display with 14.0 maximum diagonal image size
- Trinitron® technology delivers bright images and vibrant colors
- .25mm Aperture Grille pitch
- Mac Compatible
- EPA Energy Star and MPR II compliant
- Supports PC and Macintosh resolutions from VGA to 1280 x 1024 at 60Hz
- New design features simple control buttons and minimizes footprint
- Includes color temperature control #SON-15SF

$459

Multiscan 15sf w/speakers

- 15" Digital Multiscan computer display with 14.0 maximum diagonal viewable image size
- Trinitron® technology delivers bright images and vibrant colors
- .25mm Aperture Grille pitch
- EPA Energy Star and MPR II compliant
- Supports PC and Macintosh resolutions from VGA to 1280 x 1024 at 60Hz
- New design features simple control buttons and minimizes footprint
- Includes color temperature control
- INCLUDES SONY CSS-B100 Computer Speaker System Space-saving ergonomical design fits under computer monitor

$539

Multiscan 17sf

- 17" Digital Multiscan computer display with 16.1" viewable image size
- Trinitron® technology delivers bright images and vibrant colors
- .25mm Aperture Grille pitch
- Mac Compatible
- EPA Energy Star and MPR II compliant
- Supports PC and Macintosh resolutions from VGA to 1280 x 1024 at 60Hz
- New design features simple control buttons and minimizes footprint
- Includes color temperature control #SON-17SF

$839

Multiscan 17se

- 17" Super Fine Pitch Multiscan Trinitron color graphic display w/16.1" viewable image size
- Unique ASIC design automatically adjusts image geometry parameters across a continuous range of scan frequencies
- Energy Star and VESA-DPMS compliant
- .25mm Aperture Grille pitch
- Mac Compatible
- Maximum resolution of 1600x1200 at 60 Hz
- Horizontal scan range of 31.5 to 82kHz
- Easy-to-use digital control of screen images
- Includes color temperature control for publishing, photography, imaging, and design applications
- Swedish MPR II compliant

$1019

Multiscan 20se

- 20" Super Fine Pitch Multiscan Trinitron color graphics display monitor with 19.1" viewable image size
- .30mm Aperture Grille pitch
- Mac Compatible
- Maximum resolution of 1600 x 1200 at 60Hz refresh (non-interlaced)
- Variable scan frequency of 31.5 to 85 KHz
- Horizontal Overscanning for crisp edge-to-edge images
- Energy Star Compliance Ecologic
- Includes color temperature control for publishing, photo and design applications
- Full compliance with Swedish MPR II standards for VLF/ELF magnetic and electrical emissions

$1879

NEW

Internal ATAI Quad-Speed CD-ROM Drive Kit

- Compatible Formats
  -MPCII -Multisession Photo CD -CD-ROM MODE 1 and 2 Discs-CD Digital Audio
- Interface card included
  - Sony AT API Mode 2 IDE Type Bus
- 250M Sec at Quad Speed
  - Average Access Time
- Transfer Rate 600KB Sec at Quad Speed

Includes Int. Kit... $209
CSD-760E

NEW

Internal SCSI CD-ROM Drive

- Compatible Formats
  - MPC II
  - Single and Multisession Photo CD
  - CD-ROM XA
  - CD Bridge
  - CD-ROM Mode 1 and 2 discs
  - CD-Digital Audio
- Interface
  - SCSI-2 bus
- Average Access Time
  - Single speed: 350ms
  - Double speed: 250ms
  - 2.4 xspeed: 220ms

$179
CDU-55S01

NEW FROM SONY

Magic Link™

$549.95

PIC-1000

- Magic Link communicators utilize the Magic Cap™ operating platform and Telescript™ technology
- Ergonomic design of PIC-1000 makes use easy anywhere, anytime
- Send electronic messages via fax, pager or beamed infrared
- Virtual QWERTY style keyboard, Type II PCMCIA slot, phone line port, and serial port

SRS-PC20
Personal Computer Speakers

- Built-in amplifiers: 1 watt per channel (2W)
- Speaker controls: Master volume, Bass boost

$33.99

SRS-PC30
Personal Computer Speakers

- Built-in amplifiers: 1.5 watts per channel (3W)
- Speaker Controls: Master volume, Bass boost

$62.99

SRS-PC50
Personal Computer Speakers

- Built-in amplifiers: 2.5 watts per channel (5W)
- Speaker Controls: Master volume, Bass boost

$89.99

SRS-58PC
Active Stereo Speaker System

- Built-in amplifiers: 3 watts per channel (6W)
- Speaker controls.
  Independent volume for optimum stereo balance,
  Independent Dynamic Equalizer System

$84.99

SRS-88PC
Active Stereo Speaker System

- Built-in amplifiers: 10 watts per channel (20W)
- Speaker controls:
  Independent volume for optimum stereo balance,
  Independent Dynamic Equalizer System

$129.99

SRS-D2KPC
3-Piece Personal Computer Speakers

- 3-piece design: two full-range, bass reflex speakers, one bass reflex subwoofer
- Speaker controls:
  Independent volume for optimum stereo balance,
  Independent Dynamic Equalizer System

$139.99

Sony, Trinitron, Multiscan, and Super Fine Pitch are trademarks of Sony.

UNITEK™

computer stores

The Most Complete Apple® Stores!

W. LOS ANGELES
12024 Wilshire Blvd.
West Los Angeles, CA 90025
310.820.2400
Fax . 310 . 826 . 1455

ENCINO
16027 Ventura Blvd.
Encino, CA 91436
818.907.7878
Fax . 818 . 907 . 7799

90 DAY FREE FINANCING

Authorized Reseller
Authorized Service Provider

Apple® Power Macintosh™ 8100/110

NEW LOWER PRICES

- 110MHz Power PC 601
- 2MB VRAM
- 256K Level 2 Cache
- Memory expand to 264 MB
- System 7.5

16/2GB/CD
$4949

Apple® Power Macintosh™ 9500/120

NEW

- 120MHz Power PC 604
- PCI Bus Architecture
- Quad Speed CD-ROM
- Memory Exp. to 768MB
- 6PCI Slots, 12 DRAM Slots
- Built-In Ethernet, 2MB VRAM
- Monitor & KB NOT INC.

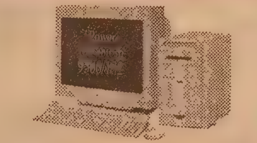
16/1000/CD
$4359

BEAT/MEET ANY PRICE*

Apple® Power Macintosh™ 9500/132

NEW

- 132MHz Power PC 604
- PCI Bus Architecture
- Quad Speed CD-ROM
- Memory Exp. to 768MB
- 6PCI Slots, 12 DRAM Slots
- Built-In Ethernet, 2MB VRAM
- Monitor & KB NOT INC.

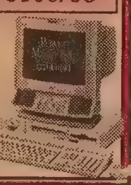


16/2GB/CD
$5279

BEAT/MEET ANY PRICE*

Apple® Power Macintosh™ 6100/66

- 66MHz Power PC 601 Processor
- 256K Cache
- 1MB VRAM
- Built-in Ethernet
- 16-bit Stereo Sound Input and Output
- Monitor & keyboard not included



8/350/CD
$1799

Apple® Power Macintosh™ 6100/66
w/DOS COMPATIBILITY CARD

- 66MHz Power PC 601 Processor
- 256K Cache
- 1MB VRAM
- Built-in Ethernet
- 16-bit Stereo Sound Input and Output
- Monitor & keyboard not included

16 /500/DOS/CD
$2343

Apple® Power Macintosh® 7100/80

- 80MHz Power/PC 601 Processor
- 1MB of VRAM
- Nine Built-in Ports
- Expandable to 136MB
- Built-in Ethernet
- Supports All Apple Displays
- KB Monitor not included.
- System 7.5

8/500
~~$2729~~

GUARANTEED LOW PRICE

Apple® Power Macintosh™ 8100/100

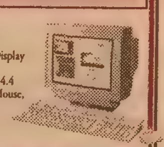
- 80MHz Power PC 601 Processor
- 2MB Video VRAM
- Memory Expandable to 264MB
- Monitor & Keyboard Not Included

8/700
~~$3699~~

BEAT/MEET ANY PRICE*

Apple® Macintosh® Performa® 6115CD

- Complete System
- Power PC 601/60MHz
- 8MB Ram, 350MB HDD
- Aplle Multiple Scan 15" Display
- KB, Monitor, Modem
- Global Village Teleport II 14.4
- Apple Design Keyboard, Mouse, Int. CD Drive



$1789

BEAT/MEET ANY PRICE*

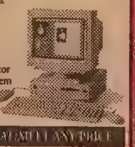
Apple® Macintosh® Performa® 630/630CD

- Complete System
- Motorola 68040 66-MHz processor/33MHz data bus
- 250MB HDD
- Integrated 14" plus Display
- Apple Design KB
- 12 Software programs
- Internal CD-ROM
- Fax/Modem
- 6 CD Titles
- 1 year of in-home Service
- 630CD: Int CD Drive
- 630CD: 8MB Ram

$1059/1349

Apple® Macintosh® Performa® 638CD

- Complete System
- Motorola 68LC040/66/33MHz
- 8MB Ram, 320MB HDD
- 4 Interactive CD-ROM's
- 12 Software Programs
- Internal CD-ROM drive for both CD ROM and Music
- Built-in 14" Sony Color Monitor
- Global Village 24/98 Fax/Modem
- Keyboard & Mouse



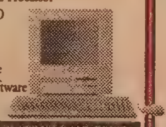
$1529

BEAT/MEET ANY PRICE

Apple® Macintosh® Performa® 5200CD

NEW

- Complete System
- Power PC 603/75MHz Processor
- 8MB Ram, 1GB HDD
- Apple 15" Multiple Scan Display
- Quad Speed CD Drive
- Keyboard, Modem Software



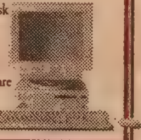
$2137

BEAT/MEET ANY PRICE

Apple® Macintosh® Performa® 6200CD

NEW

- Complete System
- Power PC 603/75MHz Processor
- 8MB Ram, 1GB Hard Disk
- Apple 15" Multiple Scan Display
- Quad Speed CD Drive
- Keyboard, Modem, Software

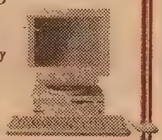


$2137

Apple® Macintosh® Performa® 6200CD/TV

NEW

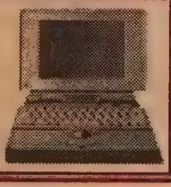
- PowerPC 603/75MHz System
- 16MB Ram/1GB HDD
- Quad Speed CD Drive
- Video and TV Input
- Monitor Sold Separately
- Keyboard, Modem & Many CD's



$2329

Apple® Macintosh® PowerBook® 150

- 68030 Microprocessor
- 33MHz
- 9.5" Backlit, Passive Matrix, Gray-Scale

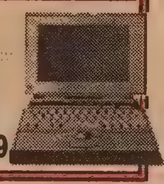


4/120
$959

Apple® Macintosh® PowerBook® 520/520C

LOWER PRICES

- Motorola 68LC040 50/25MHz
- Upgradable to Power PC Built-In Ethernet

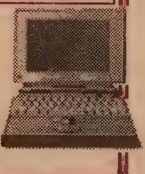


520
4/160
$1549

520C
4/160
$1739

Apple® Macintosh® PowerBook® 540C

- Motorola 68LC040 66/33 MHz
- Upgradable to PowerPC
- Expandable to 36MB

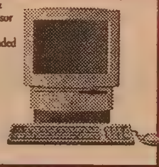


4/320
$2899

12/500/
MODEM
$3799

Apple® Macintosh Quadra® 650

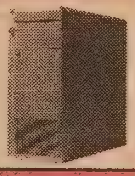
- Motorola 68040 33MHz
- Built-in Math Co-Processor
- 5 Nu Bus slots
- Monitor & KB not included



8/230
$1949

Apple® Macintosh Quadra® 950

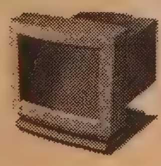
- Motorola 68040 33MHz
- Ten Built-in ports
- 5 Nu Bus slots
- KB & Monitor not Included



W/FLOPPY
$2699

Apple Macintosh Color Plus 14" Display

BARGAIN

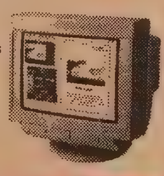


- .28 Dot Pitch
- 640x480 Res.

$286

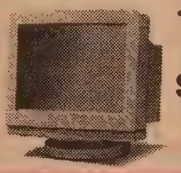
Apple® Multiple Scan 15" Display

- .28mm Dot Pitch
- 1024x768 Res.
- Headphone/Speakers input & output



$465

Apple® Multiple Scan 17" Display

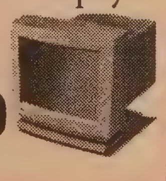


- Trinitron Screen
- Digital Control
- 17" Screen

$936

Apple® Multiple Scan 20" Display

- Trinitron Screen
- Digital Control
- 20" Screen



$1869

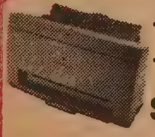
Apple® Laserwriter™ 810

- 20 PPM
- Up to 800DPI 800, 600, 400 & 300DPI
- 8MB RAM STD.
- Supports up to 11X17 tabloid paper size

$2479

Apple® Color Stylewriter® 2400

NEW LOWER PRICES



- 360 DPS Resolution
- 3 pages Per Minute
- Two Separate Ink Cartridges

$389

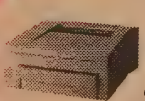
Apple® Color Stylewriter® Pro

- 360DPI Resolution
- 64 Scalable Truetype Fonts
- Color Sync color Matching Tech

$559

Apple® Personal Laserwriter® 300

NEW



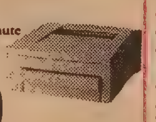
- 300DPI
- 4 pages per minute
- 1MB of RAM
- w/Toner

$584

Apple® Personal Laserwriter® 320

NEW LOWER PRICES

- 300DPI
- 4 Pages Per minute
- 2MB of Ram
- w/Toner



$759

Apple® LaserWriter Select® 360

- 600 Dot per inch
- 10 Pages Per minute
- 7MB Ram
- Adobe Postscript 2
- w/Toner

$1269*

*After Mfg. Rebate

Apple® LaserWriter™ 16/600PS

- 16 Pages Per minute
- 600 DPI
- Ethernet Built-in
- w/Toner

$2298

BEAT/MEET ANY PRICE*

Apple, the Apple logo, LaserWriter, StyleWriter, Mac, and Macintosh are registered trademarks of Apple Computer Inc. PostScript is a trademark of Adobe Systems Inc. Classic is a registered trademark, licensed to Apple Computer Inc., PowerBook Duo, Macintosh, System 7, Macintosh Quadra & Power Macintosh are trademarks of Apple Computer Inc. All prices reflect a cash discount. Prices subject to change w/o notice. Limited to stk. on hand. Unitek is not responsible for typographical errors! ABSOLUTELY NO DEALERS! • *If you see a lower legitimate advertised price that can be verified from a local Authorized Apple Dealer on the exact same in stock item, Unitek will be happy to MEET/BEAT the competition's price.

UNITEK™

computer stores

FULL SERVICE CENTER · **Open Monday-Friday 9am-7pm/Saturday 10am-4pm**

W. LOS ANGELES
12024 Wilshire Blvd.
West Los Angeles, CA 90025
310 . 820 . 2400
Fax . 310 . 826 . 1455

ENCINO
16027 Ventura Blvd.
Encino, CA 91436
818 . 907 . 7878
Fax . 818 . 907 . 7799

90 DAYS
Same As Cash Financing
AVAILABLE

LASERJET 4V/4MV

- 16PPM Print Speed
- 600DPI Resolution
- 11 x 17 inch Capability

4V $1868
4MV $2699

HEWLETT PACKARD

Authorized Reseller

LASERJET 4+/4M+

- 12PPM Print Speed
- 600DPI Resolution
- Duplex Option

4 Plus $1378
4M Plus $1869

LASERJET 4L/4ML

- 4PPM Speed
- 300 DPI Reg.
- Affordable printing

4L $CALL
4ML $969

LASERJET 5P/5MP

- 6PPM Speed
- 600DPI Res.
- 45 Scalable Font

5P $829
5MP $979

LASERJET 4SI/4SI MX

- 17-PPM Speed
- 600 DPI Res
- For Departmental printing

4SI $2799
4SIMX $CALL

COLOR LASERJET

- 2CLR/10BLK PPM
- Color Laser Printing
- HP ColorSmart®
- 8MB STD RAM

$BEST PRICE

DESKJET 1200C/1200C PC

- 600x300 DPI
- 7BLK/2CLR PPM
- 16.7 Million Colors

1200 C $957
1200C PC $1519

DESKJET/DESKWRITER 540

- 600x300 DPI
- Optional Color Kit
- 35 Scalable Fonts

$289

DESKJET/DESKWRITER 660C

- 600x300 DPI
- 3BLK/5CLR PPM
- 3 Year Warranty

$474

DESKJET/DESKWRITER 320

- Mobile Portable Printer
- 600x300 DPI
- Optional CLR Kit

320 $309
320/w/Feeder $359

SCANJET 3P

- Flatbed Mono
- Up to 1200DPI
- Wordscan OCR
- F/IBM AT/P52/MAC

$475

SCANJET 3C

- Flatbed Color & Mono Scanner
- Up to 1600 DPI
- 24 Bit, 16.7 Mil

$888

DESIGNJET 220 PLOTTER

- 600DPI Mono
- 2MB

Available D, E size

D-Size $2399
E-Size $3190

DESIGNJET 600 PLOTTER

- 600DPI Mono
- 4MB STD Memory
- Queuing, Nesting, Cutter

E-Size $4999

DESIGNJET 650C/650CPS

- 600DPI
- Color Inkjet 4 Cart.
- FAST throughput

$BEST PRICE

AUTHORIZED
DEALER & SERVICE
PROVIDER

TOSHIBA

BLOWOUT SALE

NEW **T2100** 486DX2/50, 4MB RAM 9.5" Mono Display, DOS, Windows, AccuPoint 260HD.......1418	**T2100CS/T2100CT** 486DX2/50, 4MB RAM 9.5" Mono Display, DOS, Windows, AccuPoint, 350MB Hard Disk T2100CS....2139 T2100CT...2649	**T2150CDS/T2150CDT** 486DX4/75, 4MB RAM 500MB Hard Disk, 2XCD-ROM, AccuPoint 2150CDS......2999 2150CDT....CALL
T2130CS/T2180CT 486DX4/75MHz, 520MB HDD, 8MB, Ballpoint, DOS, WIN 2130CS......2489 2130CT......2999	**400CS/400CDT** Pentium 75MHz, 8MB RAM, 810MB HDD, Quad Speed, CD Drive, DOS, WFWG 400CS........3879 400CDT.....4669	**T2450CT** 486DX4-75, Active Color, 8MB, Sound Option, Accupoint MS Windows F/WorkGroups 320HD.......2179
Portege 610CT Pentium 75MHz, 8MB RAM, 720MB HDD, 9.5" TFT Display, 4.8lbs, SoundCard 610CT.......4249	**T4850CT** 486DX4-75 Active CLR Screen, 8MB RAM, DOS, Win 520HD......3289 810HD......3459	**T4900CT** Pentium 75MHz processor 8MB Memory, 104" TFT Active Color, Multimedia Capabilities 6.9lbs. 810HD...4399

COMPAQ

AUTHORIZED DEALER & SERVICE CENTER

NEW **CONTURA 410C** 486DX2-50, 4MB Ram, passive Matrix, DOS, WIN 350HD.......1935	NEW **CONTURA 410CX** 486DX2-50, 4MB Ram, Active Matrix, DOS, WIN 350HD.......2299	NEW **LTE ELITE 4/40C** 486DX2-40, 4MB RAM Passive Color, DOS, WIN 170HD.......1859
LTE ELITE 4/40CX 486DX2-40, 4MB, ACTIVE MATRIX Free Smartstation 170HD.......2299 340HD.......2649	**LTE ELITE 4/50CX** 486DX2-50, 8MB RAM, ACTIVE TFT CLR, DOS, WIN Free Smartstation 340HD .....CALL	**LTE ELITE 4/75CX** 486DX4-75, 8MB, ACTIVE MATRIX COLOR Free Smartstation 340HD.......3859 510HD.......3999
CONTURA AERO 4/33c 486dx-33, 4MB, ACTIVE MATRIX, NO Floppy 170HD.......1299 250HD.......1495	**COMPAQ DESKTOPS & TOWERS** Prolinea DeskPro CALL for Configuration & Price	**COMPAQ SERVERS** Proliant 1000 Proliant 2000 Proliant 4000 Prosignia Systems CALL for Configuration & Price

IBM is a registered trademark of International Business Machines Corporation
Thinkpad trademark of International Business Machines Corporation

*Price after rebate. Prices subject to change without notice. Limited time & quantity. OAC Ask for Details. Prices reflect cash discount.

UNITEK™
computer stores

W. LOS ANGELES
12024 Wilshire Blvd.
West Los Angeles, CA 90025
310.820.2400
Fax . 310 . 826 . 1455

ENCINO
16027 Ventura Blvd.
Encino, CA 91436
818.907.7878
Fax . 818 . 907 . 7799

90 DAY
Same As Cash Financing
AVAILABLE

PENTIUM 90

Pentium 90MHz CPU

- 8MB Ram, 256K Cache
- 850MB IDE HDD
- 14" SVGA Non-Interlaced Monitor
- Diamond Stealth 64 PCI SVGA 1MB DRAM
- PCI Integrated IDE & I/O
- 3.5" 1.44 Floppy Drive
- UNITEK Enhanced 101 Keyboard
- Microsoft Compatible Mouse, Mouse Pad
- Mid Tower Case w/CPU Fan

$1459

intel inside

PENTIUM 90 or 100 MULTIMEDIA

Pentium 90MHz or 100MHz CPU

- 8MB Ram, 256K Cache
- 850MB IDE HDD
- Samsung 15" SVGA Monitor NI
- Diamond Stealth PCI SVGA 1MB DRAM
- PCI Integrated IDE & I/O
- Teac 3.5" 1.44 Floppy Drive
- UNITEK Enhanced 101 Keyboard
- Microsoft Compatible Mouse, Mouse Pad
- Mid Tower Case w/CPU Fan
- Quad Speed CD Multimedia
- 16 Bit Sound Card
- Speakers
- 16 CD Titles

PENTIUM 90 **$1755**

PENTIUM 100 **$1949**

intel inside

486DXII-66/486DX4-100

- 4MB RAM Memory, 256K Cache
- 540MB IDE Hard Disk
- 14" SVGA Non-Interlaced Monitor
- VLB SVGA Card 1MB
- 1.44, 3.5" Floppy Drive
- Unitek Enhanced 101 Keyboard
- MS Compatible Mouse

486DXII-66 **$949**

486DX4-100 **$979**

CANON Pentium 75 Multimedia

INTEL® PENTIUM 75

- 8MB Ram, 256K Cache
- 850MB Hard Disk, 3.5" FDD
- PCI Local Bus 1MB
- Quad Speed CD ROM Drive
- 14.4 FAX/Modem
- 16 Bit Sound/Speakers/ Microphone
- Telephone Answering System
- K.B., Mouse & Mouse Pad
- MS DOS 6.22, Windows 3.11
- 12 Software, 8 CD Titles

intel inside

$1749

3 YEAR WARRANTY

CANON Pentium 100 Multimedia

INTEL® PENTIUM 100

- 8MB Ram, 256K Cache, 128MB Max.
- 1.3GB Hard Disk, 3.5" FDD
- PCI Local Bus 1MB
- Quad Speed CD ROM Drive
- 16 Bit Sound/Speakers/ Microphone
- Telephone Answering System
- 14.4 Fax/Modem
- K.B., Mouse & Mouse Pad
- MS DOS 6.22, Windows 3.11
- 12 Software, 8 CD Titles

intel inside

$2295

3 YEAR WARRANTY

Special

CANON Innova™ Media Mini Tower 450

486DX2/66MHz CPU

- 420MB HDD/3.5" FDD
- 8MB std./36MB max. RAM
- Pentium Overdrive Socket
- VESA Local Bus Video
- 32-bit Graphics Accelerator
- Dual Speed CD-ROM Drive
- 16-bit Sound Card
- Fax Modem
- Keyboard, Mouse and Mouse Pad
- DOS, WIN, ClarisWorks, Eclipse Fax, CompuServe, Monologue, Sound Impressions, DOS® Enhanced Tools

$875*

*Canon Refurbished

NEC

NEC 3FGE 15"	399
NEC XV 14 14"	319
NEC XV 15 15" (NEW)	429
NEC XE 15 15"	539
NEC XV 17 17" (NEW)	739
NEC XE 17 17"	979
NEC XE 21 21"	1795
NEC XP15 15"	579
NEC XP17 17"	1019
NEC XP21 21"	2149

IBM Business Partner
Authorized Advanced Products Dealer

ThinkPad 360	170/340	1799/2189
ThinkPad 360CS	170/340	2494
ThinkPad 360C	170/340	2184/2399
ThinkPad 360CE	340/540	2899/3199
ThinkPad 360CSE	340/540	2499/2799
ThinkPad 701C	50/75	CALL
ThinkPad 755C 75MHz	340/540	3399/3765
ThinkPad 755CSE 100MHz	540/810	4185/4599
ThinkPad 755CE 100MHz	540/810	5099/5499
ThinkPad 755CD 100MHz	540/810	CALL

*Due to backorder status of some ThinkPads, Sign up for Back Order List.

radius

FULL LINE
Authorized Reseller

Color Displays

Super Mtch 17XL	739
PrecisionView 17	899
PrecisionColor 17	999
IntelliColor 20E	1979
PressView 17SR	CALL
PressView 21T	2989

Monochrome Display

Full page/gs	.479
Monochrome Pivit/gs	.549
Two Page/20gs	.779
Two Page/21gs	.959

Color Video Interfaces

PrecisionColor pro 24XK	739
PrecisionColor pro 24X	1026
Thunder/24GT	1319
Thunder IV GX 1152	1329
Thunder IV GX 1360	1869
Thunder IV GX 1600	2789

Digital Video Solutions

Video Vision Studio 2.0	3499
Video Vision Studio Pro	CALL
Video Vision 2.0 UPGRADE	1679
Studio Array F/8100	4999
SpigotPower AV	769
SpigotPro AV	1229

UNITEK is a Registered trademark of UNITEK COMPUTER STORES INC. DOS & Windows sold separately w/UNITEK systems.
All prices reflect cash discount. Limited time/qty. Intel is a registered trademark of the Intel Corporation.

News and Views

BY PAUL HOFFMAN

Industry Insights

IBM Wants Notes, Buys Lotus

In a bold move that cost it over $3.5 billion, IBM purchased Lotus for cash in what started off as a hostile takeover. Within a week of the initial announcement, however, Lotus CEO Jim Manzi capitulated and agreed to the buyout.

The ramifications of the purchase won't be known for a few years, because it is not clear to what extent IBM's corporate culture will change Lotus. Still, the move is one of the biggest mergers in the computer business to date—and has certainly garnered Lotus far more publicity for Notes than any of its own marketing efforts ever did.

The purchase came at a time when Microsoft was getting most of the computer press coverage for the imminent release of Windows 95. Windows 95 will have much greater networking capabilities built into the operating system, which will in turn probably bring many more people into the wild world of networking. Lotus Notes, the product of greatest interest to IBM, is by far the most popular example of a recent type of software called "groupware" that allows networked users to exchange information easily.

IBM's Motivations

IBM CEO Lou Gerstner stated very clearly from the first day that what IBM wanted was Notes. In many ways, this makes good sense for IBM because Notes' biggest market is in the corporate world, where IBM still has a very strong presence.

Under an agreement with Lotus, IBM has been selling Notes to IBM's customers since last year, but with only mixed success. By buying Lotus, IBM hopes to gain from every sale of Notes, not just those made to big corporations.

At the same time, Gerstner made it clear that all IBM was really interested in was Notes, not Lotus's other products. This took many people by surprise because Lotus was one of the only large software manufacturers to support IBM's OS/2 operating system. Comments made by Gerstner disappointed many of OS/2's biggest supporters, as well as the sales and marketing staff within IBM. Those comments also put off many of IBM's loyal corporate customers who have continued to use OS/2 even though Microsoft's Windows outsells OS/2 by over 40-to-1.

LOTUS NOTES, THE PRODUCT OF GREATEST INTEREST TO IBM, IS BY FAR THE MOST POPULAR EXAMPLE OF A RECENT TYPE OF SOFTWARE CALLED "GROUPWARE" THAT ALLOWS NETWORKED USERS TO EXCHANGE INFORMATION EASILY.

IBM believes that the sale of Notes will take off soon, as more and more PC users are networked together. Part of its plan is to let people participate in Notes workgroups over the Internet, which is certainly becoming more popular by the minute. Further, IBM wants to bundle the Notes server with its midrange server computers. Many corporate customers would prefer this to the current situation with Notes servers, which requires that they buy the hardware and operating system from one vendor, but the Notes server from another.

Why Notes Might Be So Important

Groupware is a term that's been bounced around for many years in the computer industry, but very few products in the groupware market have been successful. In fact, Notes is one of the only groupware products that has any name-brand recognition at all. Part of the problem is that groupware is not a well-defined market like spreadsheets and database management.

The main parts of groupware include email, group meeting scheduling, document flow (making sure that a report has been approved by all the right people in a certain order), writing collaboration (allowing people in a group to edit and comment on a document at the same time), and multiuser forms. There is lots of software that does some of this, but Notes was the first popular software that combined it all with enough sales clout to sell more than one million copies.

As you can imagine, being able to automate a task such as sequential approval of a document, and to do it without having to print ten copies, could make life a lot easier for many large organizations. Notes is also attractive to small compa-

CITICOM COMPUTER

Computer Retail & Wholesale

90 DAYS INTEREST FREE FINANCING

Pentium 90/100

- ☐ 90MHz Pentium Processor, 3.3V
- ☐ PCI Local Bus Motherboard w/ 256K
- ☐ PCI Local Bus
- ☐ Medium Tower Case and Power Supply
- ☐ 8MB RAM (72PIN)
- ☐ 540MB Hard Disk Drive (11ms)
- ☐ 1.44 Floppy Disk Drive
- ☐ 64-Bit PCI Local Bus Video w/ 2MB
- ☐ 15" .28 Non-Int SVGA Monitor
- ☐ PCI Local Bus IDE Controller
- ☐ 2 Serial and 1 Parallel Ports
- ☐ 101 Enhanced Keyboard
- ☐ Serial Mouse

$1495/1595

Pentium 75

- ☐ 75MHz Pentium Processor, 3.3V
- ☐ PCI Local Bus Motherboard w/ 256K
- ☐ PCI Local Bus
- ☐ Medium Tower Case and Power Supply
- ☐ 8MB RAM (72PIN)
- ☐ 540MB Hard Disk Drive (11ms)
- ☐ 1.44 Floppy Disk Drive
- ☐ 64-Bit PCI Local Bus Video w/ 1MB
- ☐ 14" .28 Non-Int SVGA Monitor
- ☐ PCI Local Bus IDE Controller
- ☐ 2 Serial and 1 Parallel Ports
- ☐ 101 Enhanced Keyboard
- ☐ Serial Mouse

$1295

486DX4-100

- ☐ 100MHz 486DX4 Processor, 3.3V
- ☐ Vesa Local Bus Motherboard w/ 256K
- ☐ Vesa Local Bus
- ☐ Mini Tower Case and Power Supply
- ☐ 8MB RAM (72PIN)
- ☐ 540MB Hard Disk Drive (11ms)
- ☐ 1.44 Floppy Disk Drive
- ☐ VLB Windows Accelerator w/ 1MB
- ☐ 14" .28 Non-Int SVGA Monitor
- ☐ VLB Local Bus IDE Controller
- ☐ 2 Serial and 1 Parallel Ports
- ☐ 101 Enhanced Keyboard
- ☐ Serial Mouse

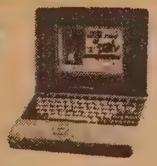
$1045

486DX2-66

- ☐ 66MHz 486DX2 Processor
- ☐ Vesa Local Bus Motherboard w/ 256K
- ☐ Vesa Local Bus
- ☐ Mini Tower Case and Power Supply
- ☐ 4MB RAM (72PIN)
- ☐ 540MB Hard Disk Drive (11ms)
- ☐ 1.44 Floppy Disk Drive
- ☐ VLB Windows Accelerator w/ 1MB
- ☐ 14" .28 Non-Int SVGA Monitor
- ☐ VLB Local Bus IDE Controller
- ☐ 2 Serial and 1 Parallel Ports
- ☐ 101 Enhanced Keyboard
- ☐ Serial Mouse

$875

NOTEBOOK SPECIALS!



TOSHIBA

T4900

75MHz Intel Pentium
Integrated Multimedia Sound
10.4" Active 64K Color
810MB Hard Disk Drive
8MB RAM Expandable to 40MB
3 Year Int'l Warranty

$4695

T2150CDT

75MHz IntelDX4
Int. 2X CD-ROM & Sound Card
10.4" Active Matrix Display
510MB Hard Disk Drive
8MB RAM Expandable to 32MB
3 Year Int'l Warranty

$3495

T2150CDS

75MHz IntelDX4
Int. 2X CD-ROM & Sound Card
10.4" Dual Scan Color Display
510MB Hard Disk Drive
4MB RAM Expandable to 32MB
3 Year Int'l Warranty

$2795

COMPAQ

4/75 CX

75MHz IntelDX4
Integrated Trackball
9.5" Active Matrix Display
510MB Hard Disk Drive
8MB RAM Expandable to 32MB
3 Year Int'l Warranty

$3395

4/50 CX

50MHz IntelDX2
Integrated Trackball
9.5" Active Matrix Display
340MB Hard Disk Drive
8MB RAM Expandable to 32MB
3 Year Int'l Warranty

CALL

4/75 C

75MHz IntelDX4
Integrated Trackball
9.5" Dual Scan Color Display
510MB Hard Disk Drive
8MB RAM Expandable to 32MB
3 Year Int'l Warranty

$2645

Sager Midern Multimedia Notebook

8500-75

75MHz Intel DX4
16KB Internal Cache
11.3" Dual Scan Color Display
340MB Hard Disk Drive
4MB RAM Expandable to 36MB
Built-In Audio System
2 Type II & 1 Type III PCMCIA
DOS 6.22 & Carrying Case
1 Year Warranty

$1995

9500-100

100MHz IntelDX4
16KB Internal Cache
10.3" Dual Scan Color Display
340MB Hard Disk Drive
4MB RAM Expandable to 36MB
Built-In Audio System
Built-In 2X CD ROM Drive
2 Type II & 1 Type III PCMCIA
DOS 6.22 & Carrying Case
1 Year Warranty

$2345

Multimedia

Acer 16 Bit Stereo Sound Card	$ 55
Sound Blaster 16	75
Sound Blaster 16 SCSI	125
Sound Blaster AWE32 Value	230
Sound Blaster AWE32 ASP	270
Acer Double Speed CD ROM	95
Sony / Panasonic 2X CD-ROM	115
Acer Quad Speed CD ROM	175
Mitsumi / TEAC 4X CD-ROM	189
Toshiba 4X CD ROM	195
NEC / Plextor 6X SCSI CD ROM	Call

Hard Drives

Samsung 540MB	$ 165
Conner 850MB	215
Conner 1.2 GB	315
Maxtor 540MB	170
Maxtor 850MB	220
Maxtor 1.2 GB	305
Western Digital 850MB	235
Western Digital 1.2GB	315

Video Cards

Trident 1MB 9440 VLB	$ 75
Trident 2MB PCI	135
ATI Mach 64 2MB DRAM	185
ATI Mach 64 2MB VRAM	275
Diamond Stealth 64 2MB DRAM	185
Diamond Stealth 64 2MB VRAM	275
Diamond Viper SE 2MB VRAM	Call
Matrox Impression+ 2MB VRAM	Call

Monitors

Shamrock 14" .28 NI	$ 215
Shamrock 15" .28 NI	315
Shamrock 17" .26 NI	575
Nanao F2-17	850
Nanao F2-17 EX	920
Nanao T2-17	Call
MAG DX-15F .26	385
MAG DX-17F .26	595
Sony 15 SF .25	445
Sony 17 SF .25	850
Sony 17 SE .25	Call

Network

16 Bit Ethernet Combo Card	$ 35
Intel EtherExpress 16 Coax	75
Novell Netware 3.12 5 Users	$ 535
Novell Netware 3.12 10 Users	1095
Novell Netware 3.12 25 Users	1695
Novell Netware 4.1 5 Users	595
Novell Netware 4.1 10 Users	1295
Novell Netware 4.1 25 Users	1895

Network Installation, Service and Maintenance Contract Available

Keyboards/Mouse

Marvel 101 Enhanced	$ 19
IBM Soft-Touch	32
Chicony 7001 Natural	59
Focus 2001 w/ Hard Cover	32
Focus 7000 w/ Trackball	35
Focus 8000 w/ Calculator	38
Focus 9000 Prog.,Calculator	49
High Resolution Serial Mouse	6
Z-Nix Serial Mouse	8
Microsoft Ergonomic Serial Mouse	29

Printers

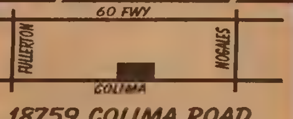
Epson Stylus 400	$195
Epson Stylus Color 720 DPI	495
Epson Action Laser 1000	375
Cannon BJ-200e	175
Cannon BJC-600e	445
HP Deskjet 540	
HP Deskjet 660C (New)	
HP LaserJet 5P (New)	
HP LaserJet 4 Plus	

☎ Call for Best HP Price in Town

Miscellaneous

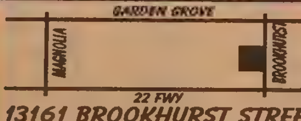
Colorado DJ-20 250MB Tape B/U	$ 125
Colorado DJ-30 350MB Tape B/U	155
Conner Tapestor 420MB	175
Smartlink 14.4 Int. Fax/Modem	65
Boca Sound Expression 16 w/ *16 Bit MCD Sound Card, 14.4 Fax/Voice/Modem and Speaker Phone*	175
Teac 1.44MB Floppy Drive	35

City of Industry



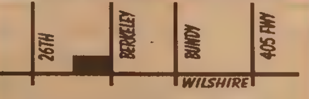
18759 COLIMA ROAD
TEL: (818) 913-6555
FAX: (818) 913-5270

Garden Grove



13161 BROOKHURST STREET
TEL: (714) 537-3399
FAX: (714) 537-2521

West Los Angeles



3019 WILSHIRE BLVD
TEL: (310) 453-2726
FAX: (310) 453-6716

Business Hours

MON-FRI 10-7
SAT 10-6
SUN CLOSED

nies where the employees are not in the same office all the time, such as when salespeople are on the road a great deal. As networking on individual PCs becomes easier, groupware programs become more realistic.

Another major factor in Notes' success is that many small companies have sprung up to support Notes development at the customers' sites. For example, if your company wants to use Notes to do a specific function like collaboration on architectural drawings, there may be a Notes developer who has already created that application and will sell it to you for much less than it would cost for you to create it yourself.

Why Notes Hasn't Already Taken Over The World

It is important to understand that Notes is a framework for creating groupware applications, not a complete application itself. Out of the box, Notes comes with some sample applications, and these may be sufficient for some small companies. However, in order to get good value out of Notes, you have to develop applications that match your company's current way of doing business, and this is where Lotus has stumbled.

Large corporations have large staffs of programmers who create custom programs or augment prepackaged programs for the corporation. To these companies, creating Notes applications is like writing new programs. In order to do this, they have had to learn the language of Notes. Although Notes is not hard to use, there is certainly a substantial learning curve for programmers who are new to Notes. Many large companies have chosen not to buy into Notes until there are more premade applications available for it.

For small companies, the problem is even greater. Without a programming staff, a small company would find it very hard to just start up with Notes unless they had an outside company creating customized applications for them. If this sounds very much like the early 1980s and the advent of the small business computer, it should. Early adopters of Notes will spend much more time reinventing the wheel and learning to cope with technical problems that will disappear with future releases of the software than people who wait a year or two.

> IN ORDER TO GET GOOD VALUE OUT OF NOTES, YOU HAVE TO DEVELOP APPLICATIONS THAT MATCH YOUR COMPANY'S CURRENT WAY OF DOING BUSINESS, AND THIS IS WHERE LOTUS HAS STUMBLED.

Will IBM Be Able To Handle Notes?

During the week between when IBM started the takeover and when Lotus (actually, Manzi) accepted the terms, many Notes customers expressed reservations about how well Notes could fare under IBM's ownership. Because Notes is not nearly as mature as it will be in a few years, many

Hard Drives

IDE		SCSI	
540 Mb	$169	540 Mb	$199
850 Mb	$199	1 Gb	$429
1.2 Gb	$279	2 Gb	$759
1.6 Gb	$409	4 Gb	$1,149

ADD MORE STORAGE SPACE!

Academic
MS Office
Professional 4.3
$149
Current High-School or College ID Required

Video

ATI mach64 DIAMOND Computer Systems, Inc.

ATI Graphics Xpression w/1MB/2MB	$139/179
ATI Graphics Pro Turbo w/2MB/4MB	$309/439
Stealth 64 Video Vram w/2MB PCI or VLB	$269
Stealth 64 Video Dram w/2MB PCI or VLB	$179

MATROX MGA POWER GRAPHICS

Mga Millennium 3D 2MB/4MB 1600x1200	$319/459
Mga Impression+ 2MB Vram 1600x1200 72hz	$369
Matrox 2MB Vram Upgrade	$239

MainBoards

Asus Pentium w/Triton Chipset 256K EIDE	$229
Asus 486 PCI w/256K Cache w/EIDE & I/O	$149
Asus 486 VLB w/256K Cache	$129
486 Motherboard VLB w/256K Cache	$99
386 DX-40 Motherboard w/CPU	$89

Monitors

MAG INNOVISION

DX15F .28, Non-Interlaced 1280x1024	$359
DX17F .26, Non-Interlaced 1280x1024	$649

NOKIA MONITORS

449E 15" 1280X1024NI, .28, Flat, MPRII	$479
447X .25, Trinitron Tube, 1280x1024 @ 76hz	$995

ViewSonic

Viewsonic 15GS .27mm, 1024x768 Flat, TCO	$415
Viewsonic 17GS .27mm, 1280x1024 Flat, TCO	$775
Viewsonic 21PS .25mm, 1280x1024 77hz	$1699

Other Manufacturers

ADI 4GP 15" .28, NI 1280x1024 Flat, MPRII	$349
ADI 5AP 15" .26, NI 1280x1024 Flat, MPRII	$649
Sony 15sf .25, Trinitron Tube, 1024x768@76hz	$419
NEC XV15 .28, 1024x768 Non-Interlaced	$439
NEC XV17 .28, 1024x768 Non-Interlaced	$759
Office Pro 14" .28 Non-Interlaced	$218
KFC 15" .28, 1024x768 72hz, Flt	$325

CALL US FOR CPU & RAM PRICING

R-TECH
Computer Sales & Service
(818) 34R-TECH
(818) 347-8324

22129 Sherman Way
Canoga Park, CA 91303
(818) 347-8324
(818) 347-1169 FAX
All prices reflect a 3% Discount for Cash or Check
Prices Subject to Change without Notice.

Systems

Pentium Powerstations

- ✓ Medium Tower Case w/8 Drive Bays
- ✓ Asus Pentium Motherboard w/256K Cache
- ✓ 3 PCI, 3 ISA, 1 Combo PCI/ISA Expansion Slot
- ✓ Intel Pentium Processor/Triton Chipset
- ✓ 1.2 Gig EIDE Hard Disk Drive
- ✓ Teac 3 1/2" 1.44 Floppy Disk Drive
- ✓ EIDE Ctrlr w/2 Serial 16550 UART, 1 Parallel
- ✓ Diamond Stealth 64 Video PCI w/2MB Dram
- ✓ KFC 15" .28, NI 1280x1024 Super VGA Monitor
- ✓ 101 Key Keyboard & 3 Button Serial Mouse
- ✓ MS DOS 6.22 & Windows for Workgroups 3.11

Pentium 75 w/8MB Ram	$1,754
Pentium 75 w/16MB Ram	$1,994
Pentium 75 w/32MB Ram	$2,416
Upgrade to a Pentium 90 Add	$100
Upgrade to a Pentium 100 Add	$200
Upgrade to a Pentium 120 Add	$500

486 Workstations

- ✓ Mini Tower Case w/5 Drive Bays
- ✓ Asus 486 Motherboard w/256K Cache
- ✓ 4 PCI, 3 ISA, 1 Combo PCI/ISA/VLB Exp Slots
- ✓ AMD 486 Processor
- ✓ 540 Megabyte EIDE Hard Disk Drive
- ✓ Teac 3 1/2" 1.44 Floppy Disk Drive
- ✓ EIDE Ctrlr w/2 Serial 16550 UART, 1 Parallel
- ✓ Cirrus Logic PCI Video Card w/1MB
- ✓ Office Pro 14" .28, NI 1024x768 SVGA Monitor
- ✓ 101 Key Keyboard & 3 Button Serial Mouse
- ✓ MS DOS 6.22 & Windows for Workgroups 3.11

486 DX2-80 w/4MB Ram	$1,069
486 DX2-80 w/8MB Ram	$1,188
486 DX2-80 w/16MB Ram	$1,399
Upgrade to a 486DX4-100 Add	$40

Multimedia

CREATIVE
CREATIVE LABS, INC.

Discovery 4x Multimedia Kit 20 Titles	$339
Soundblaster 16 Vibra/32 AWE	$79/269

Other Vendors

4x CD, Soundblaster 16, Encarta & more...	$299
Toshiba Quad Speed IDE/SCSI CD-Rom	$189/299
Plextor 6Plex, 145ms, 900Kb, 256K Cache	$479

Modems

U.S. Robotics Internal 14.4/28.8	$99/225
U.S. Robotics External 14.4/28.8	$119/239
Supra 28.8 Internal/External Fax/Modem	$179/199
Best Data Internal 14.4/BD 14.4 w/Voice	$59/79
Cardinal 28.8 Internal Fax/Modem	$149

IF YOU DONT SEE IT LISTED, CALL US

Make Sure You Get The Computer System You Paid For!

We suggest that when you are shopping for a new computer system, you watch out for the following problem areas:

CPUs: Listing a microprocessor (CPU) as a 486 or a 586 does not make it comparable to an Intel 486 or Intel Pentium processor.

486: Of the five manufacturers claiming to make 486 processors, three are selling glorified 386 processors. These processors are used in slower 386 type motherboards and don't come close to the Intel processors for speed. Unfortunately, these imitation processors use the same numbering system as the Intel processors. This results in lower priced "486" computers that run like 386's.

Pentiums: Some 75MHz Pentium systems are being sold as 90 or 100 MHz Systems. Unscrupulous vendors are REMARKING the 75 MHz Pentium chips as 90 and 100 MHz chips. We have been approached to buy such remarked processors and refused. The would-be supplier's response, "Well you are about the only one that's not using them. All your major competitors are!" Such vendors set the jumpers on the motherboard to trick the CMOS to report on boot up that the system is a 90 or 100 MHz system. Only a reliable performance test like Norton System Information (SI) will reveal the huge falloff in performance.

Memory: It is not easy to tell what memory is in your computer unless you remove the system cover and look at it. Even then you have to know what to look for. Some sellers use slower memory or USED memory.

Here Today, Gone Tomorrow: Make sure the company you buy from has been in business for more than a year or two. Service and warranty claims are lip service if the seller isn't around to stand behind them. Other than for hard drives, it is almost impossible to get warranty service on defective components which are not returned for repair or replacement through the retailer. You'll find that some vendors just seem to drop off the face of the earth. If you purchased a computer from them, your "support" is the phone company's message, "That number is no longer in service." Watch especially for company name changes. Same faces, even the same address, but with a new company name, may well mean the "old" company has gone out of business - and there went the warranty service.

Restocking Fees: Such fees are normal and legal. Watch, however, for vendors that state "**all** returns subject to restocking fee." Most reputable vendors will accept returns and not charge a restocking fee if you change your mind or situations change within a few days after the sale. Check the vendor's **written** warranty/returns policy regarding this issue.

Credit Card Surcharges: While "cash discounts" are legal in the state of California, surcharging for use of a credit card is not. Ask at your public library for California Civil Code Section 1748.1.

Video Cards: Check the type of video card and make sure you're getting a local bus (VL-Bus or PCI) SVGA video card. Some vendors slip in an ISA (16-bit) SVGA card - sometimes with less than 1 MB of memory. Likewise, watch for DRAM being used instead of VRAM on the high-end cards. Compare the same brand and model.

Hard Drives: Check size and brand. Some systems are equipped with lower priced and less reliable hard drives and hard drive controllers. Also make sure you ask whether the hard drive is new or remanufactured (i.e., used and rebuilt). Look for enhanced IDE (EIDE) drives. They are much faster if you have the corresponding hard drive controller. Without that controller, they are not faster than no-EIDE drives.

FCC Class B Certification: The Federal Communications Commission (FCC) requires that any system which can be operated in the home and most offices (i.e., ALL the systems you see at local computer shows and in the computer stores) MUST have been tested for electrical interference, had the test data submitted to the FCC, and had a certificate of compliance ("grant") issued by the FCC before such a system can be marketed (advertised) and sold. Failure to comply can result in a $70,000 fine per system otherwise marketed or sold. If you don't see an FCC ID# sticker on the back of the system unit, it is illegal – period. The FCC regulations are to help avoid PC-generated electrical interference which may affect TV and other communications equipment. FCC class A systems are NOT legal for use in home or office environments.

Motherboards: There have been cases where people have purchased "VESA" systems only to find their computer equipped with less expensive, outdated ISA motherboards. Some vendors have even been known to use false (i.e., empty) cache ram chips and altered the system BIOS and mother-board settings to "show" cache RAM as present when it isn't.

Legal Software: Even with all the policing being done by software makers, many computers are being sold with illegal copies of DOS, Windows and other programs. You won't find this out until you try to call the software supplier for support. Be sure you get proof that your software is legal. Unscrupulous sellers can save almost $100 by using illegal copies of DOS and Windows. If you don't receive disks and documentation (including the Certificates of Authenticity), demand them - or that the illegal software be removed. There is no title transferred with pirated software. If someone is offering you $100s of dollars of software, with no disks or documentation, you can be sure that software has been pirated. Pirated software hurts all computer users - by depriving legitimate suppliers of their revenue and in turn forcing everyone to pay more for new products and upgrades. And obviously you have nothing to prove ownership when you want to upgrade. If you want to report a suspected software pirate, call Software Publishers Association at (800) 388-7478.

Used Hardware: Some vendors offer trade-ins on memory, motherboards, and CPUs. There is almost no market for these components unless they are put into systems and sold as new. Some suppliers also sell used components as new - especially hard drives.

With some system vendors, the buyer does not get what they pay for. Rather they receive inferior, used, or illegal components. It is definitely a "buyer beware" market out there. If you see a computer advertised at unbelievably low prices, then the supplier may have used one or more of these fraudulent "approaches." The profits on new computers are paper thin. This means that you can't buy directly comparable computers at big savings. If someone's price is more than 10% below our price for a system with directly comparable specifications (i.e., same component manufacturers and product models), the odds are that the vendor is cutting corners somewhere. The buyer gets the result.

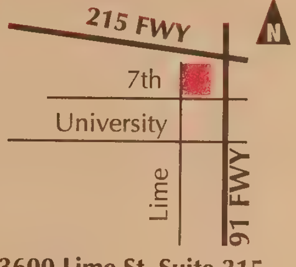
As with many products, you usually get what you pay for when you buy a computer. If you are tempted by unbelievably low prices, just remember that those prices may be the result of corner-cutting somewhere in the hardware, software, or both. As a consumer you deserve to get what you pay for. Demand it or shop elsewhere! When in doubt...

Buyer beware!

If you'd like to avoid the noted "problems", please give us a call. We'll quote you solid, high-performance, reasonably-priced, professionally-assembled-and-tested systems with one of the best warranties in the local area. The bottom line – if you buy from Mars, you'll get what you paid for and you'll get a reputable company with nearly eight years of experience to stand behind it!

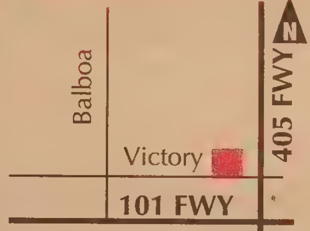
MARS COMPUTERS

Riverside Office



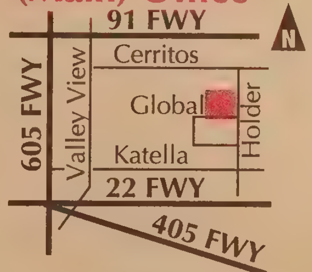
3600 Lime St, Suite 315
Riverside, CA 92501
Phone: (909) 274-9698
Fax: (909) 274-9725
Days/hours of operation:
M-F, 9:00-5:30

Van Nuys Office



16209 Victory Boulvard,
Van Nuys, CA 91406
Phone: (818) 785-7608
Fax: (818) 785-7634
Days/hours of operation:
M-F, 9:00-5:30

Cypress (Main) Office



6481 Global Drive,
Cypress, CA 90630
Phone: (714) 821-9590
Fax: (714) 821-9593
Days/hours of operation:
M-F, 7:30-6:30

BETTER BUSINESS BUREAU
Pledged To Arbitrate

Ad code: MT072495

Insights *continued...*

IBM WILL NOW EMPHASIZE THE NOTES ENVIRONMENT, NOT THE OS/2 ENVIRONMENT, AS ITS STRATEGIC PLATFORM FOR THE FUTURE. HOW DO YOU THINK THAT MAKES OS/2 USERS FEEL?

people worry that it will suffer at the hands of IBM in the way that many good technologies have in the past. This is particularly worrisome for current Notes users who are relying on Lotus to move the platform forward in ways that IBM might not be interested in.

Although the Lotus of 1995 is nothing like the Lotus of 1985, it is nonetheless very different from the IBM of 1995. The corporate culture of Lotus could easily suffer under IBM. One of the ways that IBM was able to get Lotus employees to agree to support the buyout was to reverse the recently announced cutbacks that Lotus had started to implement. Of course, that's probably a temporary move, and another year of poor sales on Lotus's part will certainly convince IBM to start cutting or reorganizing in ways that simply cause people to leave.

In many ways, IBM may be a boon for Notes sales in the large corporate market because of IBM's well-established ties. On the other hand, companies buying Notes from Lotus knew that that was all that Lotus was really selling them; buying Notes from IBM can be much more complicated, and IBM's intentions are not as clear, given its myriad of other products. IBM's failures to sell well in other markets, most notably the networking market, does not bode well for Lotus if customers start seeing it as too much a part of IBM.

The perception of how much Lotus is an IBM company will be very important for Notes sales in the next few years. Companies that had bought other software from IBM, only to have IBM discard it with little notice, are not likely to start using Notes. In fact, IBM may have already poisoned a great deal of that market with its pronouncements about how the Lotus purchase was really about Notes and had nothing to do with OS/2. It became clear that IBM will now emphasize the Notes environment, not the OS/2 environment, as its strategic platform for the future. How do you think that makes OS/2 users feel?

And Then There's The Financials

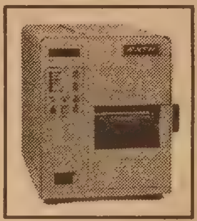
IBM paid almost $3.5 billion for Lotus. More than half of Lotus's revenue for 1995 will come from Notes and cc:Mail, Lotus' email system.

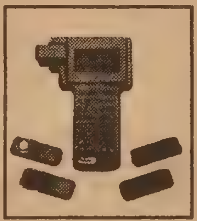
BAR CODE IS OUR SPECIALTY

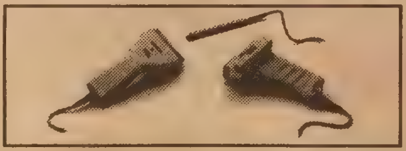
Since 1985, Input Automation has been a single source for all your barcode needs; Hardware, software, consulting, and system design. Our philosophy is based on two principles: high quality industrial products, and the best technical and sales support available.

HARDWARE

- **SCANNERS:** CCD, Laser, Handheld, Fixed Mount
- **DECODERS:** Keyboard, Serial, Integrated w/Scanner
- **PRINTERS:** Thermal Transfer and supplies
- **PORTABLES:** Various configurations, RF



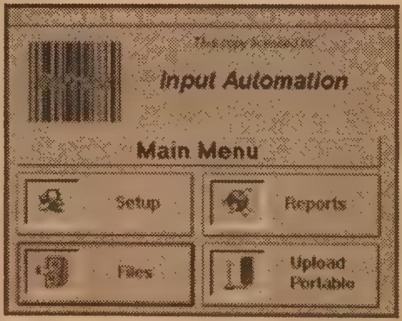




Input Automation is a Value Added Distributor for such manufacturers as Welch Allyn, Opticon, SATO, Videx, Percon, Strandware, and others. We offer COMPETITIVE RESELLER PRICING. Call to see our showroom or to speak to a sales representative.

SOFTWARE

- WINDOWS TRACKING SOFTWARE
- ASSETS/INVENTORY/DOCUMENTS
- LABOR TRACKING/WORK IN PROCESS
- OFF THE SHELF OR CUSTOM APPLICATIONS



If you have a tracking need, be it tracking of assets, documents, people, inventory, tools, etc..., Input Automation's ONTRACK was created for you. Utilizing barcode technology for data collection, ONTRACK provides database management, queries, transaction history, reports, and more. Source code available.

Input Automation

Southern California
Tel: (310) 539-3598
Fax: (310) 530-2849

Northern California
Tel: (510) 685-6563
Fax: (510) 685-2513

Call for a **free** brochure.
We accept VISA/Mastercard
Dealers Welcome

90 DAYS SAME AS CASH

(Printers Excluded)

P5-75MHz PENTIUM
$1,459

P5-90MHz PENTIUM
$1559

P5-100MHz PENTIUM
$1659

- Pentium 586 Intel CPU
- 256K Write-Back Cache
- 8MB Ram Exp. to 128MB
- 850MB Hard Disk
- PCI 1MB VGA Card
- PCI Controller
- Medium Tower Case
- 1.44 MB FDD
- CPU Cooling Fan
- SVGA 15" Monitor (NI .28MM)
- High Resolution Mouse
- 101 Enhanced Keyboard

SPECIAL

SOUNDBLASTER VALUE CD

Double Speed, Panasonic CD ROM
Amplified Speakers, 12 CD Titles including
Grolier Encyclopedia
Sound Blaster 16 Soundcard

$189

TOSHIBA QUAD SPEED CD ROM

$289

Teac 4x Speed	[illegible]
Mitsumi 4x Speed	[illegible]

Best Buy!

Colorado 350 Tape
$169

14400 Fax Modem
$49

VGA Trident VLB 1MB
$69

VGA S3 VLB 1MB
$70

2MB Diamond Stealth 64 DRAM
$169

2MB Diamond Stealth 64 VRAM
$279

486DX2/66MHz 486DX4/100MHz

$859/$899

- 256K Write-Back Cache
- CPU Cooling Fan
- 4MB RAM (72 Pin)
- 540MB HardDisk (12MS)
- Mini Tower Case (230WPS)
- 1.44MB Floppy Drive
- VLB 32 Bit Super IDE & I/O
- VLB 32 Bit 1M Video
- SVGA 14" Monitor (.28MM NI)
- 101 Enhanced Click Keyboard
- Hi-Re Mouse

Best Buy!

MULTI-MEDIA QUAD SYSTEM

486DX2/66MHz ....[illegible]

- Quad Speed CD ROM
- 16 Bit Sound Card
- Amplified Speaker • CD Titles
- 256K Write-Back Cache CPU Cooling Fan
- 8MB Ram & Up To 128MB (72 Pin)
- 540MB HardDisk (12MS)
- Mini Tower Case (230 WPS)
- 1.44MB Floppy Drive
- VLB Super IDE & I/O
- VLB 1M Video
- SVGA 15" Monitor (.28MM NI)
- 101 Enhanced Click Keyboard
- Hi-Re Mouse
- 14400 Fax Modem

PRINTERS

HP 540 INKJET	CALL
HP 560C	CALL
Epson 5000+	CALL

ACCESSORIES

25-Watt Amplified Speakers	$32
14400 Baud Fax Modem w/voicemail	$59
420MB (Conner) Backup Drive	$159
SoundBlaster 16 MCD Sound Card w/ASP	$89
Logitech Mouse	$29
Microsoft Mouse	$29

HARD DISKS

540MB IDE	$169
850MB IDE	$229
1GB IDE	$299

MONITORS

Mono VGA 14"	$89
SVGA 14" (0.39mm)	$179
SVGA 14" (0.28mm)	$189
SVGA 14" (0.28mm NI)	$209
SVGA 15" (0.28mm NI)	$309
SVGA 17" (0.28mm NI) (1280x1024)	$599

CPU

Pentium P5/90MHz	CALL
Pentium P5/60MHz	CALL
DX2-66MHz Intel	CALL
DX2-80MHz AMD	CALL
DX4-100MHz AMD	CALL
DX4-100MHz Intel	CALL

AMD Please CALL for
BEST PRICE

HEWLETT PACKARD
NEC
TOSHIBA
ViewSonic®
CTX
...AND MORE!

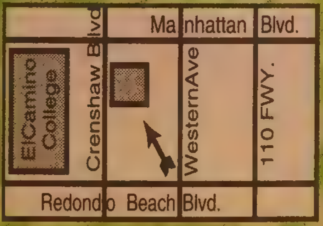
Financing Available
Corporate Accounts Welcome

MON-FRI 10-7, SAT 10-6

*Computek is not responsible for any typographical errors. • *Price Based On Cash Discount. Prices subject to change w/out notice.

CompuTek

WE SERVICE ALL COMPUTERS

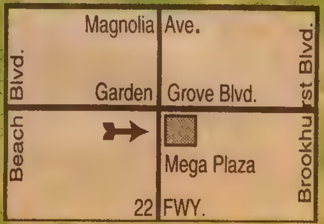


SOUTH BAY

15900 Crenshaw Blvd. #F
Gardena, CA 90249
TEL (310) 380-6677
FAX (310) 380-6678

GARDEN GROVE

9042 Garden Grove Blvd. #100
Garden Grove, CA 92644
TEL (714) 741-9494
FAX (714) 741-9498

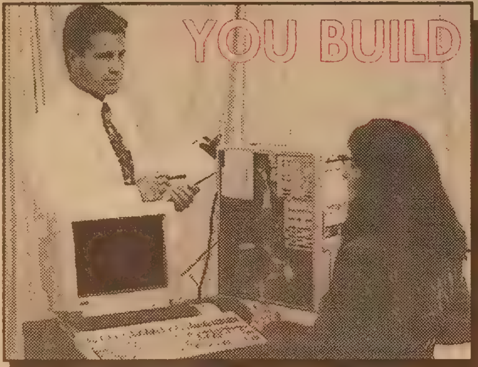


GVC 14.4 Fax Modem $49

Domino COMPUTER

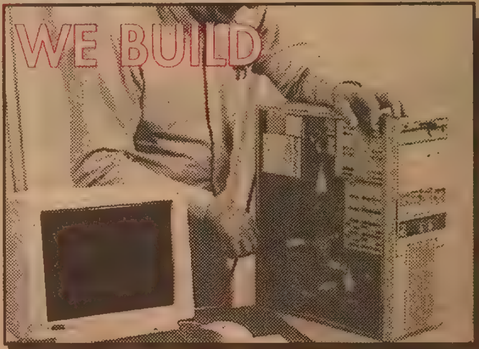
486 DX2-66 [illegible] w/CPU Expandable to [illegible] Cache [illegible]

BUILD YOUR OWN COMPUTER - WITH OUR TRAINED TECHNICIANS



17" SVGA NI MONITOR
Digital Control, Flat Screen, On Screen program $579
(while supplies last)

DOMINO WILL CUSTOM BUILD YOUR COMPUTER FOR YOU



486/DX2/66 MultiMedia System

- 4 MB RAM
- 1.44 MB F.D.
- 420 MB H.D.
- SVGA Card
- 14" SVGA Monitor
- Mini Tower
- 101 Enh. Keyboard
- 25, 1P, 1G, Ports
- Serial Mouse & Pad
- Dual Speed CD-ROM
- Sound Blaster 16 Compatible

$1099

External Hard Drive/CD ROM:

External IDE Drive Box w/software	$139
External IDE CD-ROM Box w/software	$149

MULTIMEDIA 4X BUNDLES

- 4X CD-ROM
- Sound Blaster 16 Compatible
- CD Titles
- Stereo Speakers

$299

$209 for MultiMedia 2x Bundles.

SPECIALS

PENTIUM 90

- PENTIUM 90 MHZ CPU
- PENTIUM PCI MOTHER-BOARD
- 256 K CACHE
- 8 MB 72 PIN RAM
- 850 MB HARD DRIVE
- 1.44MB FLOPPY DRIVE
- PCI IDE
- PCI WINDOWS ACCELERATOR W/1MB
- 101 ENHANCED KEYBOARD
- 2 SERIAL, 1 PARALLEL, & 1 GAME PORT
- SERIAL MOUSE
- COMPACT MID-TOWER CASE

Monitor not included

$1399

486/SLC/33 COMPLETE SYSTEM

- 2 MB RAM
- 420 MB Hard Drive
- IDE
- 2 SERIAL, 1 PARALLEL, & 1 GAME PORT
- 1.44MB Floppy Drive
- SVGA Card
- SVGA Monitor
- 101 ENHANCED KEYBOARD
- Mouse + Pad
- Mini Tower

$669

Add $25 for 420MB Hard Drive Option

PARTS/SPECIALS/MOTHERBOARDS

486 VESA Local Bus 30/72 Pin ZIFF socket Motherboard	$109
VESA Local Bus SVGA Card, with 1 MB	$69
420 MB Hard Drive	$168
850 MB Hard Drive	$249
High Speed IO Card w/16550 UART	$35
420 MB Tape Back-up Drive	$169
1.2 GB Hard Drive	$369
14.4/14.4 Voice Fax Modem with phone answering system	$89
Network Card NE2000 Compatible Combo	$39
486DX2-50 V-L Bus Zif socket w/CPU	$129
9 Port Mini Hub	$139
Pentium PCI/75 w/CPU	$539

CORPORATE CUSTOMERS:

On-Site Maintenance Contracts
Call for a FREE On-Site Evaluation
(also On-Site Upgrades & Repairs)

We Specialize in NOVELL AND UNIX Networks

NOVELL
Authorized
Call for Free Consultation
Certified Novell Engineer on Staff

DOMINO is SPECIAL!

Most LAN system integrators don't know PC hardware, & most PC resellers don't know LANs. DOMINO does it ALL! As a NOVELL GOLD RESELLER, we are in a position to provide COMPLETE SOLUTIONS and TOTAL SUPPORT.

- For details contact your nearest DOMINO CENTER
- **For High level LAN & WAN enterprise Solutions call Edward Wang, Enterprise CNE @ (818) 340-7490.**

SOUTHERN CALIFORNIA DOMINO BUSINESS CENTERS:

TORRANCE
2535 237th St. Suite102
310/325-9701
Open Sunday by Appt.

CANOGA PARK
22330 Sherman Way Suite C7
818/340-7490

IRVINE
17145 Von Karman Ave.
Suite 106
714/252-8494

YORBA LINDA
3920 Prospect Ave. Suite F
714/579-0808
Open Sunday by Appt.

CLAREMONT
975 W. Foothill Blvd.
909/482-4600
Open Sunday by Appt.

Novell Certified NetWare Engineer
Novell Enterprise CNE
Novell Gold Authorized Reseller
Novell Authorized UnixWare Master

Leasing Program Available for PC & Network Systems over $2000

We are not responsible for typographical errors. Prices subject to change without notice.

Domino® COMPUTER

Your Neighborhood Workshop Service and Upgrade Center

Insights *continued from page 22...*

Therefore, around $500 million this year will come from the area that IBM says is the most important. However, that also means that it will take many, many years for IBM to recoup what it paid for Lotus.

Most hostile takeovers are done with stock swaps; in this case, IBM simply reached into its cash reserves of over $10 billion and pulled out part of it. By offering cash, IBM helped make sure that the deal would go through. Another way that IBM made sure that stockholders would want to sell was by offering almost double of what Lotus' stock was worth. IBM offered $60 (and finally agreed to $64) for each Lotus share that had been selling at $32.50 the day of the takeover bid. As you might imagine, that made virtually all of the previous Lotus stockholders very happy.

But the big question for IBM is whether the future sale of Notes (and the other packages that Lotus still sells) is worth $3.5 billion. The amount of cost savings of combining the two companies is fairly minimal, probably less than $200 million. Lotus had about $550 million in assets, meaning that IBM is paying $2.75 billion for the future sales. Some financial analysts predict that the purchase could lose IBM $100 million per year even if Notes sales go up at a healthy pace.

> If this sounds very much like the early 1980s and the advent of the small business computer, it should.

And, if that dreary prediction comes true, it is very likely that IBM will start cutting costs at Lotus, and possibly start gutting the product's development team. IBM has done it before, and it is sure to do it again in the future. Only if Notes sells spectacularly well should users expect to see IBM Notes in 1997 look like what Lotus Notes would have looked like without the purchase. As for Lotus's other products, the purchase by IBM could mean anything, although the likely result will be neglect or selling the SmartSuite to another software company. ■

Copyright © 1995 by Paul Hoffman. All rights reserved.

Primenet

The Internet is a Wave and Primenet is on the Crest

The Internet is a collective effort by millions of people to make computers talk to each other, which has evolved into the most incredible communications medium the world has ever seen. With a computer, a modem, and a Primenet account you can be connected to and communicate with over 30 million people worldwide.

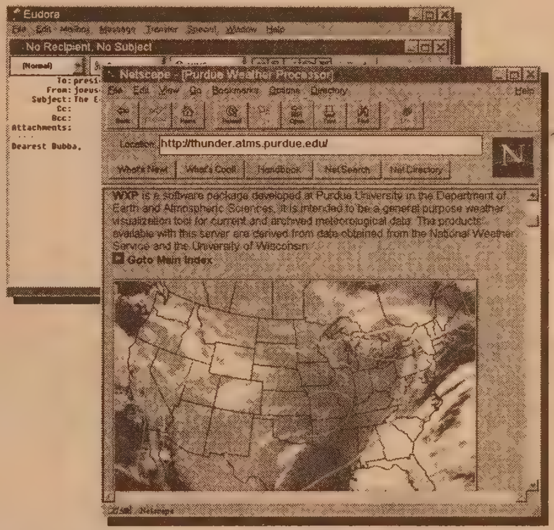
Primenet Services offers quality and reliable Internet access to thousands of customers all over the nation. Companies and individuals have come to rely on Primenet Services to provide for every variety of Internet connectivity. Primenet's customer service and technical support are available to assist you in a friendly and patient manner. The staff at Primenet is made up of experienced Unix and network professionals as well as trained Internet specialists. We are here to make your journey on the Internet a pleasant and productive one.

Graphical Account - SLIP/PPP

With a graphical account from Primenet you can surf the net in style. Whether you are using Windows, Macintosh, OS/2, Unix, Linux or Amiga we can provide you with the SLIP/PPP connection to facilitate the graphical environments these operating systems provide. Software for Windows and Macintosh is included in an easy to install package, free of charge from Primenet.

Software Included for Windows/Macintosh
150 Hours Connect Time
Up to 28.8kbps speed
World Wide Web (WWW)
Unlimited E-Mail
Full Usenet News Feed
Ability to Create your own WWW Page
Internet Relay Chat (IRC)
Setup for OS/2 Warp, Windows NT, & Windows 95

$24.95/mo


Eudora
No Recipient, No Subject
To:
From:
Subject:
Cc:
Bcc:
Attachments:
Dearest Bubba,
Netscape - [Purdue Weather Processor]
File Edit View Go Bookmarks Options Directory Help
Location: http://thunder.atms.purdue.edu/
What's New! What's Cool! Handbook Net Search Net Directory
Goto Main Index

WXP is a software package developed at Purdue University in the Department of Earth and Atmospheric Sciences. It is intended to be a general purpose weather visualization tool for current and archived meteorological data. The products available with this server are derived from data obtained from the National Weather Service and the University of Wisconsin.

Text Account - Dialup Shell

Unlimited Connect Time
Full Usenet News
Telnet
Up to 28.8kbps speed
World Wide Web (WWW)
Unlimited E-Mail
Internet Relay Chat (IRC)
Gopher

$19.95/mo

Primenet
Services for the Internet
Impact Technology
2320 W. Peoria Ave
Suite A103
Phoenix, AZ 85029
E-Mail: info@primenet.com
http://www.primenet.com/

You may register on-line with Primenet Services with your computer by using your normal communications software, dialing one of our locations and logging in as "guest".

Los Angeles: (213)872-1000 / (818)385-1111
Fresno: (209)264-3333
Pomona: (909)397-8400
Santa Ana: (714)285-1111
San Juan Capistrano (714)488-2000
San Bernardino (909)386-5700
Victorville (619)951-0511

Coming Soon:
San Diego,
Oceanside, & Long Beach

Call (800)4 NET FUN

MicroTimes Stock Index Reaches New Mark

EXCH	COMPANY		TICKER SYMBOL	CLOSING PRICE 06/07/95	CLOSING PRICE 07/05/95	NET CHANGE IN PERIOD	PERCENT CHANGE IN PERIOD	P/E RATIO	ANNUAL IVIDEN RATE	ANNUAL IVIDEND YIELD	ANNUAL HIGH	ANNUAL LOW
	SOFTWARE											
OTC	Adobe	(H)	ADBE	53.50	59.00	5.50	10.28	107	0.20	0.34	66.50	27.00
OTC	Autodesk	(H)	ACAD	40.00	43.00	3.00	7.50	33	0.24	0.56	44.50	23.25
OTC	Borland		BORL	13.38	12.94	-0.44	-3.27	-	0.00	0.00	14.38	6.00
OTC	Informix	(H)	IFMX	22.44	26.50	4.06	18.11	49	0.00	0.00	27.00	7.88
OTC	Lotus	(H)	LOTS	62.38	63.88	1.50	2.40	-	0.00	0.00	64.13	25.00
OTC	Microsoft	(H)	MSFT	84.00	90.69	6.69	7.96	39	0.00	0.00	92.38	46.88
OTC	Novell	(H)	NOVL	20.25	19.75	-0.50	-2.47	38	0.00	0.00	23.25	13.75
OTC	Oracle	(H)	ORCL	35.25	38.75	3.50	9.93	39	0.00	0.00	40.50	23.75
OTC	Software Publishing		SPCO	3.50	3.50	0.00	0.00	39	0.00	0.00	6.25	2.88
OTC	Symantec	(H)	SYMC	25.38	27.88	2.50	9.85	36	0.00	0.00	30.00	10.50
	HARDWARE											
OTC	Apple	(H)	AAPL	43.13	46.50	3.38	7.83	11	0.48	1.03	50.13	25.50
OTC	AST Research		ASTA	17.63	16.00	-1.63	-9.22	-	0.00	0.00	19.25	10.38
NYS	Compaq	(H)	CPQ	40.00	45.38	5.38	13.44	14	0.00	0.00	46.63	29.50
NYS	Digital Equipment	(H)	DEC	42.13	40.13	-2.00	-4.75	-	0.00	0.00	49.50	18.38
OTC	Dell	(H)	DELL	53.13	60.13	7.00	13.18	15	0.00	0.00	61.75	24.88
NYS	Hewlett-Packard	(H)	HWP	68.50	76.13	7.63	11.13	20	0.80	1.05	77.38	36.00
NYS	IBM	(H)	IBM	89.88	96.75	6.88	7.65	15	1.00	1.03	99.38	54.50
NYS	Silicon Graphics	(H)	SGI	38.13	41.63	3.50	9.18	33	0.00	0.00	42.00	21.25
OTC	Sun Microsystems	(H)	SUNW	48.88	48.88	0.00	0.00	16	0.00	0.00	51.38	19.25
NYS	Xerox		XRX	111.38	120.38	9.00	8.08	17	3.00	2.49	125.88	90.63
NYS	Tandy	(H)	TAN	46.75	52.50	5.75	12.30	18	0.72	1.37	53.13	33.38
	CPU'S											
NYS	Advanced Micro Devices	(H)	AMD	33.75	35.38	1.63	4.81	11	0.00	0.00	39.25	22.25
OTC	Intel	(H)	INTC	56.56	63.75	7.19	12.71	22	0.16	0.25	66.38	28.13
NYS	LSI Logic	(H)	LSI	34.13	39.88	5.75	16.85	34	0.00	0.00	42.63	11.88
NYS	Motorola	(H)	MOT	59.50	69.00	9.50	15.97	25	0.40	0.58	69.50	43.38
	COMMUNICATIONS											
NYS	AT&T	(H)	T	49.88	53.88	4.00	8.02	17	1.32	2.45	59.00	47.25
NYS	BellSouth Corp.	(H)	BLS	60.38	63.63	3.25	5.38	15	2.76	4.34	64.50	50.50
OTC	MCI		MCIC	20.25	22.00	1.75	8.64	17	0.05	0.23	25.88	17.25
NYS	Northern Telecom		NT	37.75	36.13	-1.63	-4.30	24	0.44	1.22	41.00	28.00
NYS	Pacific Telesis	(H)	PAC	27.13	26.75	-0.38	-1.38	10	2.18	8.15	33.50	25.63

KEY: NYS = NEW YORK ASE = AMERICAN OTC = OVER THE COUNTER
(H) = NEW HIGH REACHED IN PERIOD (L) = NEW LOW REACHED IN PERIOD

MARKET DIARY:

ADVANCES	22
DECLINES	6
UNCHANGED	2
NEW HIGHS	24
NEW LOWS	0

MOST ACTIVE ISSUES:

LARGEST DOLLAR GAINER	Motorola	$	9.50	
LARGEST DOLLAR LOSER	Digital Equipment	$	-2.00	
LARGEST PERCENTAGE GAINER	Informix		18.11	%
LARGEST PERCENTAGE LOSER	AST Research		-9.22	%

	CLOSE 06/07/95	CLOSE 07/05/95	NET CHANGE IN PERIOD	PERCENT CHANGE IN PERIOD
MICROTIMES STOCK INDEX	6982.06	7437.77	455.70	6.53
DOW JONES INDUSTRIAL AVERAGE	4462.03	4615.23	153.20	3.43
STANDARD & POOR'S 500 INDEX	533.13	547.26	14.13	2.65
N.Y.S.E. COMPOSITE	286.96	293.21	6.25	2.18
NASDAQ COMPOSITE	881.58	941.82	60.24	6.83

CLOSING QUOTES FOR GRAPH:

DATE	MICRO TIMES	DOW JONES
10/27/94	5478.47	3875.15
12/16/94	5370.37	3807.19
01/18/95	5832.57	3928.98
02/16/95	5961.54	3987.52
03/15/95	6042.96	4038.37
04/12/95	6270.71	4197.81
05/10/95	6571.21	4404.62
07/05/95	7437.77	4615.23

Copyright Nordby International Inc., Boulder, Colorado

This information is based on sources believed to be reliable, and while extensive efforts are made to assure its accuracy, no guarantees can be made. Nordby International assumes no liability for any inaccuracies. For information on Nordby's customized financial research services, call 1-800-926-7404.

Technology stocks continued to climb upward for the month ending July 5, 1995. Specifically, the MicroTimes Stock Index jumped 455.70 points, or 6.53%, to close at 7437.77, marking yet another record high. In comparison, the Dow Jones Industrial Average gained 153.20 points, or 3.43%, to 4615.23, and the S&P 500 Index rose 14.13 points, or 2.65%, to close at 547,26.

In our index, advancing issues outpaced declining issues by an 11-to-3 margin, and there were 24 issues reaching new 52-week highs, compared to zero issues dipping to new 52-week lows.

Turning to stocks in the MicroTimes Index:

Symantec Corp. agreed to acquire the Toronto-based Delrina Corp. for $415 million in stock. The acquisition will broaden Symantec's line of products to include fax transmission software. Last month, shares for Symantec Corp. rose 2.50 points, or 9.85%, to close at $27.88.

Adobe Systems Inc. announced a definitive agreement to acquire Frame Technology Corp. by exchanging common stock of the two companies valued at approximately $500 million. The acquisition will extend Adobe's leadership in products that support creation, delivery, and access of information. Moreover, Adobe announced net income of $33.9 million, or 51¢ a share, for the second quarter ended June 2, 1995. This was compared to $17.3 million, or 28¢ a share, in the year-ago quarter. Shares for Adobe jumped 5.50 points, or 10.28%, to close at $59.

Tandy Corporation reported sales of its continuing operations in the US and Canada retail business to be $384.6 million for the month ended June 1995. This was a 23% increase over $312.9 million in the same month last year. Shares for Tandy jumped 5.75 points, or 12.30%, to close at $52.50.

Dell Computer Corporation announced it has signed a licensing agreement with Microsoft Corporation in which Dell will offer Microsoft's Windows™95 operating system to be factory-installed on its computer systems. Shares for Dell leaped 7 points, or 13.18%, to close at $60.13 for the month of June.

BINOMIAL SYSTEMS, INC

957 Fairway Drive, Walnut, CA 91789
TEL: (909) 595-8293 ; FAX: (909) 598-4609

Store Hours:
Mon-Fri: 9AM-6PM
SAT:by appointment

NETWORK CARDS

3COM

Ethernet 10 Base-T or Coax

3C509 Etherlink IIIB ISA 16-bit	129.00
3C509 Etherlink IIIB ISA 16-bit Combo	149.00
3C529 Etherlink III MCA 32-bit	249.00
3C579 Etherlink III EISA 32-bit	249.00
3C590 Etherlink IIIB PCI 10 TP 32-bit	159.00
3C590 Etherlink IIIB PCI 10 TP & Coax	189.00
3C595 Etherlink IIIB PCI 10/100TP	269.00

3COM CARD ONLY w/o Manuals

3C509 Etherlink IIIB ISA Coax	99.00
3C509 Etherlink IIIB ISA 10 Base T	79.00
3C509 Etherlink IIIB ISA Combo	109.00
3C579 Etherlink III 32-bit EISA	229.00
3C590 Etherlink IIIB PCI 10 TP	139.00
3C590 Etherlink IIIB PCI 10 TP&Coax	169.00
3C595 Etherlink IIIB PCI 10/100 TP	259.00

Token Ring

3C619 Tokenlink III 16/4 ISA 16-bit	439.00
3C629 Tokenlink III 16 MCA	479.00
3C679 Tokenlink III 16/4 EISA 32-bit	589.00

ADDTRON

Arcnet

ARC-120 ISA 8-bit Combo	55.00
ARC-220 ISA 16-bit Combo	75.00
Ethernet 10 Base-T (Novell Certified)	
PN-16T 16-bit 10 TP Soft.Configurable	29.00
Ethernet Coax (Novell Certified)	
PN-16C 16-bit Coax Soft.Configurable	29.00
Ethernet Coax & 10 TP (Novell Certified)	
PN-16CT 16-bit Combo 2-in-1 Soft.Configure	33.00
PCI Ethernet Coax & 10 TP	
AE-350 PCI 32-bit Coax & 10 TP Combo	79.00

ARTISOFT

Ethernet 10 Base-T or Coax

NodeRunner 2000 ISA 16-bit	179.00
NodeRunner 2000/A ISA 16-bit Combo	239.00
NodeRunner/SI 2000 ISA 16-bit	89.00
NodeRunner/CI 2000/A ISA 16 Combo	109.00

BOCA RESEARCH

Ethernet 10 Base-T and Coax

Ethernet 10 TP & Coax PCI Combo	99.00

INTEL

Ethernet 10 Base-T / Coax

EtherExpress 16 ISA 16-bit	119.00
EtherExpress 16 ISA 16-bit Combo	139.00
EtherExpress 16 PRO/10 16 Bit TP	119.00
EtherExpress 16 PRO/10 16 Bit Combo	139.00
EtherExpress 16 PRO/10 Flash	139.00
EtherExpress PRO 10/100 PCI	229.00
EtherExpress PRO 10/100 EISA	379.00
EtherExpress 16 ISA Flash	125.00
EtherExpress 16 MCA 32-bit	189.00

Intel CARD ONLY w/o Manuals

EtherExpress 16 16-bit Coax	79.00
EtherExpress 16 16-bit 10 Base T	109.00
EtherExpress 16 ISA 16-bit Combo	129.00
EtherExpress 16 ISA Flash	129.00
EtherExpress 16 PRO/10 16-bit TP	109.00
EtherExpress 16 PRO/10 16-bit Combo	129.00
EtherExpress 16 PRO/10 Flash	119.00
EtherExpress 16 PRO/10 Flash Combo	129.00

NOVELL EAGLE/MICRODYNE

Ethernet 10 Base-T / Coax

NE2000 Plus ISA 16-bit	79.00
NE2000 Plus -3 ISA 16-bit Combo	99.00
NE5500 PCI 32-bit 10 TP & Coax	169.00
NE/2C MCA	265.00
NE3210 EISA 32-bit (New Version)	159.00

SMC

Ethernet 10 Base-T / Coax

EtherEZ Plug & Play 16-bit Combo	119.00
Elite 16-Ultra ISA 16-bit	99.00
Elite 16-Ultra ISA Combo (RJ45/BNC)	115.00
Elite 32-Ultra EISA Combo (RJ45/BNC)	239.00
Ethercard Plus Elite16 ISA 16-bit	125.00
EtherPower PCI 10 TP & Coax Combo	189.00
EtherPower PCI 10/100 TP	239.00

SMC CARD ONLY w/o Manuals

Elite 16-Ultra ISA 16-bit Coax or 10 TP	99.00
Elite 16-Ultra ISA Combo	119.00
EtherPower PCI 10 TP & Coax	179.00
EtherPower PCI 10/100 TP	229.00

NETWORK CARDS

ALLIED TELESIS

1500 Plus DMA 16-bit Ethernet 10 TP	89.00
1500 Plus DMA 16-bit Ethernet Combo	109.00
1700 Plus ASIC 10 TP	89.00
1700 Plus ASIC Combo (BNC/10 TP)	109.00
1702 Plus MCA 10 TP	139.00
1702 Plus MCA Combo (BNC/10 TP)	169.00

ASANTE

EtherPac 2000+N 16-bit Ethernet Coax	109.00
EtherPac 2000+T 16-bit Ethernet 10 TP	89.00
EtherPac 2000+3 16-bit Ethernet Comb	139.00
EtherPac 2203 EISA Ethernet Combo	359.00

HEWLETT PACKARD

HP JETDIRECT 16-bit Ethernet Coax	349.00
HP JETDIRECT 16-bit Ethernet 10 TP	349.00
HP JETDIRECT for Token Ring	699.00

IBM

IBM Lan 16-bit Ethernet Coax	99.00
IBM Lan 16-bit Ethernet 10 Base T	89.00
IBM Lan 16-bit Ethernet Combo	119.00

NETWORK CARD-100 Mbps

3COM

3COM Fast EtherLink PCI 10/100 Base T	269.00

INTEL

Intel EtherExpress PRO PCI 10/100 Base T	239.00
Intel EtherExpress PRO EISA 10/100 Base T	369.00

SMC

SMC EtherPower PCI 10/100 Base T	239.00

NETWORK HUB - 100 Mbps

NETWORTH

Networth 8 Port 100 Mbps Base T HUB	1,399.00

NETWORK SOFTWARES

MICROSOFT

Windows for Workgroup DOS Add-On	48.00
Windows for Workgroup WINDOW Add-On	49.00
WINDOWS 95 Single Server	229.00
Windows NT Server V3.51	699.00
Windows NT Server V3.51/10 User Wk	1,099.00
Windows NT Workstation V3.51	329.00

ARTISOFT

Articom Modem Sharing Software	299.00
Lantastic for OS / 2 1 User	99.00
Lantastic for OS / 2 5 Users	459.00
Lantastic for OS / 2 10 Users	819.00
Lantastic for OS / 2 25 Users	1,399.00
Lantastic 6.0 1 User	69.00
Lantastic 6.0 5 Users	349.00
Lantastic 6.0 10 Users	649.00
Lantastic 6.0 25 Users	1,299.00
Lantastic 6.0 50 Users	2,179.00
Lantastic 6.0 1 User Upgrades	38.00
Lantastic 6.0 5 Users Upgrades	99.00
Lantastic 6.0 10 Users Upgrades	145.00
Lantastic 6.0 25 Users Upgrades	349.00
Lantastic 6.0 50 Users Upgrades	569.00
Lantastic 6.0 2 Users Starter Kit	249.00

* Includes: 2 NodeRunner/SI 2000 Coax Cards, 2 Users Lantastic 6.0 Softwares 25 ft Cable

NOVELL

Personal NetWare 1.0 (For Dos & Window)	75.00
Novell Netware 3.12 Documentation	179.00
Novell Netware 4.X Documentation	179.00
NetWare 3.12 5 Users	589.00
NetWare 3.12 10 Users	1,299.00
NetWare 3.12 25 Users	1,999.00
NetWare 3.12 50 Users	2,999.00
NetWare 4.1 5 Users	599.00
NetWare 4.1 10 Users	1,299.00
NetWare 4.1 25 Users	1,999.00
NetWare 4.1 50 Users	2,999.00
NetWare 4.1 100 Users	4,269.00
Novell NetWare [illegible]	[illegible]

NOVELL File Server Install

In-House Guarantee File Server **$ 299**
For Novell Netware 3.12 or 4.1

ON-SITE SERVICE CONTRACT

10 HOURS(One Year,Novell Engineer)	[illegible]
20 HOURS(One Year,Novell Engineer)	[illegible]
30 HOURS(One Year,Novell Engineer)	1,950.00

NETWORK HUBS

3COM

LinkBuilder TP/8 Port Hub	239.00
LinkBuilder TP/12 Port Hub	379.00
LinkBuilder 12 Port Hub (3C621)	759.00
LinkBuilder FMS II 12 Port	649.00
LinkBuilder FMS II 12 Port Mgmt	995.00

ADDTRON

4 Port Arcnet Passive Hub	15.00
8 Port Arcnet Coax Active Hub	125.00
8 Port Arcnet Twisted Pair Active Hub	135.00
9 Port Ethernet 10 TP & 1 BNC Hub	139.00
17 Port Ethernet 10 TP & 1 BNC Hub	269.00

ASANTE

ASANTE Hub 8 TP Port Hub	199.00
ASANTE Hub 12 TP Port Hub	399.00

HEWLETT PACKARD

AdvancedStack 12 2600A	769.00
AdvancedStack 24 2601A	1,195.00
8 Port EtherTwist	359.00

SMC

8 Port Elite 3608 Concentrator	329.00
12 Port Elite 3512 Concentrator	599.00
12 Port Elite 3812 TP Active Hub	699.00
TigerHub TP6 6RJ45/1AUI 6 Port Hub	199.00
TigerHub TP6B 6RJ45/1BNC 6 Port Hub	239.00
TigerHub CX3 3BNC/1AUI 3 Port Hub	339.00
TigerHub TP12 12RJ45/1AUI/1BNC	399.00
TigerHub CX6 6BNC/1AUI/1RJ45	659.00
TigerHub FL6 6Dual Fiber/AUI/1BNC	1,489.00

SYNOPTICS

16 Port 2800 Hub(16 RJ45/ 1 AUI)	639.00
16 Port 2804 Hub(16 RJ45/1 FOIRL)	959.00
8 Port 800 Hub (Plug & Play)(8 RJ45)	319.00
8 Port 810M Mgm.Hub (Plug & Play)	639.00

NETWORK FAX SERVER

CHEYNNE SOFTWARE

FAXServer V3.0 NLM 5 User	399.00
FAXServer V3.0 NLM 10 Users	699.00
FAXServer V3.0 NLM 25 Users	1,179.00

DELRINA TECHNOLOGY

WinFax Pro for Network Server V4.0	139.00
WinFax Pro for Network V4.0 10 User	699.00
WinFax Pro for Network V4.0 25 User	1,599.00
WinFax Pro for Network V4.0 50 User	2,999.00

NETWORK REMOTE SERVER

SHIVA

LanRover 4/E-4 Lines(BNC/AUI/10 BT)	2,569.00
LanRover 8/E-8 Lines(BNC/AUI/10 BT)	3,669.00

U.S.ROBOTICS

Lan Modem 28.8 w/ Dial Routing	1,599.00

NETWORK REMOTE ACCESS

STAC - *Remote Access*

Reach Out Pro Modem V4.0 Host/Remote	149.00
Reach Out Host/Remote Access V5.0	139.00
Reach Out Pro Network V4.0 10 User Add-On	169.00
Reach Out Pro Network V4.0 4 User Lic.	199.00

SYMANTEC - *Remote Control*

PC Anywhere Host/Remote V2.0 for Window	149.00
PC Anywhere Host/Remote V5.0 for DOS	[illegible]

NETWORK ROUTERS

3COM

NetBuilder Remote Office	1,789.00

DIGITAL EQUIPMENT CORR

BRouter 90Ti Router	2,499.00

HEWLETT PACKARD

Ethernet Router s/SNMP	5,539.00

NOTEBOOK ETHERNETS

Notebook Parallel Port / PCMCIA

3Com Etherlink IIIB *PCMCIA* 10 TP	169.00
3Com Etherlink IIIB *PCMCIA* Combo	219.00
Addtron Pocket Ethernet 10 TP	149.00
Addtron *PCMCIA* 10 TP & Coax Combo	139.00
NovellNE4200 *PCMCIA* Combo	199.00
[illegible] Pocket Ethernet 10 TP & Coax Combo	[illegible]
SMC EtherNote Pocket 10 TP & Coax	239.00
SMC Elite *PCMCIA* 10 TP	139.00
SMC Elite *PCMCIA* 10 TP & Coax Combo	199.00
Xircom Pocket Ethernet 10 TP	289.00
Xircom Pocket Ethernet 10 TP & Coax	319.00
Xircom *PCMCIA* IIPS 10 TP	199.00
Xircom *PCMCIA* IIPS 10 TP & Coax Combo	249.00

FILE SERVER HARD DRIVE

CONNER

1.2GB IDE	399.00
1.06GB SCSI-II	429.00
2.0GB SCSI-II	799.00
2.0GB Wide SCSI-II	1,069.00
4.0GB SCSI-II	1,249.00
4.0GB Wide SCSI-II	1,499.00

HEWLETT PACKARD

1.2GB SCSI-II	559.00
2.0GB SCSI-II	899.00

MAXTOR

850MB IDE	229.00
1.2GB IDE	299.00

MICROPOLIS

3.0GB SCSI-II (Full Height)	[illegible]
4.0GB SCSI-II	1,599.00

SEAGATE

4.0GB [ST15230W] Wide SCSI-II	1,499.00
9.0GB [ST41008N] SCSI-II	2,859.00
9.0GB [ST41008W] Wide SCSI-II	3,699.00

SCSI-II CONTROLLERS

ADAPTEC

AHA-1522AK ISA Adapter w/ Kit	139.00
AHA-1542CF ISA Fast Adapter w/ Kit	259.00
AHA-2742AT EISA Adapter w/ Kit	379.00
AHA-2940 PCI Adapter w/ Kit	279.00
AHA-2940W Wide PCI Adapter w/ Kit	339.00
External Mini SCSI Adapter for Parallel	199.00
External SlimSCSI Adapter for PCMCIA	239.00

ADAPTEC SCSI-II CARD Only

AHA-1522A 16 Bit SCSI Adapter Only	89.00
AHA-1542CF 16 Bit SCSI-II Adapter Only	169.00
AHA-2742A EISA SCSI-II Adapter Only	229.00
AHA-2940 PCI SCSI-II Adapter Only	[illegible]
AHA-2940W PCI Wide SCSI-II Adapter Only	[illegible]

NETWORK 6X SCSI CD

NEC

NEC 6X Internal SCSI-II CD Rom	489.00
NEC 6X External SCSI-II CD Rom	579.00

PLEXTOR

Plextor 6X Internal SCSI-II CD Rom	[illegible]

NETWORK TOWER CD

NEC

4XI 4-Drives SCSI-II Tower CD Rom	2,099.00

PLEXTOR

4X Ext 4-Drives SCSI-II Tower CD Rom	2,799.00
4X Ext [illegible]-Drives SCSI-II Tower CD Rom	[illegible]

RECORDABLE SCSI CD

PINNACLE MICRO

RCD-1000PCI Int. 680MB w/CRTL	1,789.00
RCD-1000PCN Ext. 680MB w/o CRTL	1,789.00

NETWORK CD CHANGER

PIONEER

External 6-Disc SCSI-II CD Changer	899.00
External 18-Disc SCSI-II CD Changer	2,399.00

OPTICAL SCSI DISK DRIVE

HEWLETT PACKARD

1300T EXT.1.3GB Erasable Optical Dr.	2,499.00
20XT EXT. 20GB Erasable Optical Drive	5,199.00
1.3GB Erasable Optical Disk	109.00

PINNACLE MICRO

Sierra EXT. 1.3GB Erasable Optical Drive.	3,099.00
1.2GB 1024K Optical Disk	189.00

NETWORK CABLES/TOOLS

Cables w/Connectors	
Every 25 Ft. RG58A/U Coaxial Cable	8.00
Every 25 Ft. RG62 Coaxial Cable	12.00
Every 25 Ft. 10 Base-T (Level4)	8.00
Every 25 Ft. 10 Base-T (Level5)	15.00
Connectors	
50 Ohm BNC Terminator (Thin Ethernet)	2.00
T-Connector	2.00
RJ-45 Connector	.89
Tools	
BNC Crimping Tool	25.00
RJ-45 / RJ-11 Crimping Tool	29.00
RG-58 / 62 Wire Stripper	25.00

NETWORK PRINT SERVER

NOVELL EAGLE

Eagle NPE400 Ethernet Combo	369.00

HEWLETT PACKARD

HP JetDirect EX (J2382B) BNC & TP	399.00

INTEL

Intel NetPort II Ethernet	417.00
Intel NetPort Express XL Ethernet Combo	479.00

XIRCOM

Pocket Ethernet Print Server	294.00
Ethernet Print Server-1P BNC or RJ-45	299.00

NETWARE CONNECT

NOVELL

Novell Netware Connect 2 Port	439.00
Novell Netware Connect 8 Port	1,595.00
Novell Netware Connect 32 Port	4,395.00

DIGIBOARD

2 Port for Windows	195.00
PC/4E w/ Conn	459.00
PC/8E w/ Conn	595.00
PC/16EM System	995.00
EISA C/16 w/ Conn	1,449.00
ISA EPC/16 16 Port Multiport w/ Conn	1,895.00

NETWORK UPS SYSTEM

AMERICAN POWER CONVERSION

Back UPS System 600	299.00
Back UPS System 900	415.00
Smart UPS System 600	409.00
Smart UPS System 900	559.00
Smart UPS System 1000	699.00
Power Chute Plus Software for Novell	79.00
Power Chute Plus Software for Window NT	79.00

TRIPP-LITE

BC-600 UPS System Lan	289.00
Omni 600 UPS System Lan	359.00
Omni 750 UPS System Lan	399.00
Omni 900 UPS System Lan	499.00
Power Alert Software for Novell	75.00
Power Alert Software for Window NT	69.00

NETWORK REPEATERS

ADDTRON

5 Port([illegible]) Repeater	[illegible]

NETWORK TRANCEIVER

ALLIED TELESIS

ENET Trans 10 Base T to AUI	49.00
ENET Trans BNC Coax to AUI	49.00

NETWORK BACKUP DRIVE

CHEYENNE SOFTWARES

ArcServe / Solo 1 User	149.00
ArcServe Window NT V1.0	599.00
ArcServe NLM Dos V4.02 5 Users	269.00
ArcServe NLM Dos V4.02 10 Users	459.00
ArcServe NLM Dos V4.02 25/25 Users	759.00
ArcServe NLM Window V5.01 5 User	269.00
ArcServe NLM Window V5.01 10 User	529.00
ArcServe NLM Window V5.01 20/25 User	899.00

COLORADO MEMORY SYSTEMS

250 MB Internal Tape Backup Drive	159.00
350MB Internal Tape Backup Drive	189.00
700MB Internal Tape Backup Drive	279.00
Trakker 250MB External Drive	299.00
Trakker 350MB External Drive	349.00
Trakker 700MB External Drive	439.00

CONNER

TapeStor 850MB Int. IDE Tape Drive	299.00
TapeStor 850MB Ext. IDE Tape Drive	459.00
TapeStor 1.7GB Int. IDE Tape Drive	369.00
Python [illegible] SCSI Int. DAT Tape Dr.	[illegible]
Python [illegible] SCSI Ext. DAT Tape Dr.	1,099.00
Python Turbo 2-4GB SCSI Int. DAT Dr.	[illegible]
Python Turbo 2-4GB SCSI Ext. DAT Dr.	1,199.00
DAT 4-8GB Int. SCSI Tape Dr	[illegible]
DAT [illegible] Ext. SCSI Tape Dr.	1,399.00
BackUp Software for [illegible]	[illegible]
BackUp Software for [illegible]	[illegible]
Backup Software for [illegible]	[illegible]
BackUp Software for [illegible]	[illegible]

SONY

Sony [illegible] SCSI DAT Int. Tape Drive.	[illegible]
Sony 2-4GB SCSI DAT Int. Tape Drive	999.00
Sony 4-8GB SCSI DAT Int. Tape Drive	1,199.00
3M DDS-90 DAT Cartridge	25.00

LOCAL / WIDE AREA BUSINESS COMPLETE NETWORK SOLUTIONS

We specialize in the following areas:

1. *Complete Novell NetWare Installation*
2. *Network Cable Installation*
3. *On-Site Service & Training*
4. *Network Maintenance Contracts*
5. *Novell Certified Engineers On-Site*

PENTIUM + SERVERs

PENTIUM-133	$2,199.00
PENTIUM-120	$ [illegible]
PENTIUM-100	$1,499.00
PENTIUM-90	$1,399.00
PENTIUM-75	$1,299.00

- 8MB, 540MB HD 1.44 Floppy Drive
- Monochrome Card & Monitor, Keyboard
- 32 Bit PCI Ethernet Network Card

BSI WORKSTATIONs

486DX4-100	$699.00
486DX2-80	$679.00
486DX2-66	$659.00
486DX-33	$639.00
386DX-40	$549.00

- 4MB 1.44 Floppy Drive Monochrome Card & Monitor
- 16 bit Ethernet Coax & 10 Base T Combo Card
  (Novell Certified Network Card)

NETWARE 3.12/4.1

5 USER (OEM)	$ 449.00
10 USER (OEM)	$ [illegible]
25 USER (OEM)	$ [illegible]
50 USER (OEM)	$ [illegible]

All NOVELL (OEM) softwares must be purchased with any network card or hub.

PENTIUM + SYSTEM

PENTIUM-133	PCI	$2,399.00
PENTIUM-120	PCI	$ [illegible]
PENTIUM-100	PCI	$1,699.00
PENTIUM-90	PCI	$1,599.00
PENTIUM-75	PCI	$1,499.00

- 8MB, 850 MB HD, 1.44 Floppy Drive
- Build-In FAST IDE w/ I/O Card
- Diamond PCI Super VGA Card w/ 1MB
- 14" Super VGA Non-Interlaced Monitor
- Mouse w/ Pad Keyboard

PENTIUM CD SYSTEM

PENTIUM-133	PCI	$ [illegible]
PENTIUM-120	PCI	$ [illegible]
PENTIUM-100	PCI	$1,999.00
PENTIUM-90	PCI	$1,899.00
PENTIUM-75	PCI	$1,799.00

- 8MB 850MB HD 1.44 Floppy Drive
- 14" Super VGA Non-interlaced Monitor
- Mouse w/Pad Keyboard PCI SVGA
- [illegible]
- [illegible]

*All prices are subject to Change without prior notice

!!! Government, School & Corporate P.O.s are WELCOME !!!

COMPUTER MAX

SYSTEMS

BARE BONE SYSTEMS

Includes:

CPU • 1MB RAM • 1.44 Floppy Drive • Mini Tower • 230W U/L Power Supply • 101 Enhanced Keyboard • 2 Serial/1 Parallel/1 Game Port

386SX/40MHz	$175
486SLC/33MHz	$189
386DX/40MHz + 128K	$199
486DLC/40MHz + 128K, Math-Co	$209

VOICE MAIL
14.4 INTERNAL FAX MODEM
MULTIPLE MAILBOXES, CUSTOMIZED GREETINGS, FORWARD TO PAGER, REMOTE RETRIEVAL AND MORE!
$58!

ECONOMY SYSTEM

- 486SLC/33MHz
- 4MB RAM
- 420MB Hard Drive
- SVGA Video Card
- 14" SVGA Monitor
- IDE/FDD Controller
- 2 Serial/1 Parallel/1 Game Port
- Mini Tower w/Display
- 230W U/L Power Supply
- 101 Enhanced Keyboard
- Hi-Resolution Mouse

$599

486 PCI MULTIMEDIA SYSTEM

- 256K Cache
- 8MB RAM
- Enhanced PCI IDE Controller
- Enhanced 850MB IDE Drive
- Trident PCI Video Adapter up to 2MB
- 15" Full Screen Monitor
- 1.44 Floppy Disk Drive
- Fast 16550 Serial Ports
- Enhanced Bi-Directional Printer Port
- Double Speed CD-ROM
- 16bit Stereo Sound Card
- Shielded Speakers
- 10 CD Titles Includes Encyclopedia
- Mini Tower Case
- 230W U/L Power Supply
- MS Compatible Mouse
- 101 Enhanced Keyboard

486DX2/66MHz	$1389
486DX2/80MHz	$1394
486DX4/100MHz	$1423

VENTEL
14.4 Ext. Voice Mail Fax Modem
$99

CARDINAL
9600 External V.42bis Fax Modem
$39

486 BUSINESS SYSTEM

- 486 Local Bus Motherboard
- 1.44 Floppy Disk Drive
- 4MB RAM
- 420MB IDE Drive
- VLB IDE/FDD Controller
- 2 Serial/1 Parallel/1 Game Port
- VLB 1MB Window Accelerator
- 14" SVGA .28dp Monitor
- 101 Enhanced Keyboard
- Hi-Resolution Mouse
- Mini Tower Case w/Digital Display
- 230W UL Power Supply
- 256K Cache

486DX2/66MHz	$828
486DX2/80MHz	$835
486DX4/100MHz	$867

586 PENTIUM SYSTEM

- 256K Cache
- 8MB RAM
- Enhanced 540MB Hard Drive
- PCI SVGA Video up to 2MB
- 15" SVGA N.I. Digital/Green Monitor
- 1.44 Floppy Disk Drive
- PCI IDE/FDD Controller
- Fast 16550 Serial Ports
- Enhanced Bi-Directional Printer Port
- 101 Enhanced Keyboard
- Hi-Resolution Mouse
- Mini Medium Tower Case

Pentium 75MHz	$1386
Pentium 90MHz	$1468
Pentium 100MHz	$1588

CARDINAL
14.4 Ext. Network Modem
$69

486 MULTIMEDIA SYSTEM

- 486 Local Bus Motherboard
- 1.44 Floppy Disk Drive
- 4MB RAM
- 540MB IDE Drive
- VLB IDE/FDD Controller
- 2 Serial/1 Parallel/1 Game Port
- 1MB High Color Window Accelerator
- 14" SVGA .28dp N.I. Monitor
- 256K Cache
- 101 Enhanced Keyboard
- Hi-Resolution Mouse
- Medium Tower Case w/Digital Display
- 230W UL Power Supply
- 16bit Stereo Sound Card
- 2x CD ROM Drive
- Shielded Speaker System
- Microphone + 12 CD Titles

486DX2/66MHz	$1029
486DX2/80MHz	$1039
486DX4/100MHz	$1065

586 PENTIUM MULTIMEDIA SYSTEM

- Intel Triton Chipset
- 256K Cache
- 8MB RAM
- Enhanced 850MB Hard Drive
- PCI Diamond Stealth 64 Video
- 15" SVGA N.I. Digital Green Monitor
- 1.44 Floppy Disk Drive
- PCI IDE/FDD Controller
- Fast 16550 Serial Ports
- Enhanced Bi-Directional Printer Port
- 101 Enhanced Keytronic Keyboard
- Microsoft Mouse
- Mini Medium Tower Case
- 4X Teac CD-ROM
- 16bit Stereo Sound Card
- 25 Watt Speakers
- 10 CD Titles

Pentium 75MHz	$1779
Pentium 90MHz	$1889
Pentium 100MHz	$2019

24 INTERNAL CARDINAL MODEM W/1 MONTH FREE PRODIGY OFFER!! ONLY $15

INSTALLATION +$10

NETWORK

Genius Combo LAN Card Jumperless 2-in-1	$39
Genius Combo LAN Card Jumperless Coaxial	35
Genius 10Base-T Hub	119
Genius 12 Port 10Base-T Hub	299
25' RG 58-Au Coax Cable	10
50' RG 58-Au Coax Cable	15
50 OHM Terminator	1.50
T Connector	1.50

CABLES + CONNECTORS

36" IDE Cable	$2.95
36" FDD Cable	2.50
24" SCSI Cable	4.00
6' VGA Extension	4.50
Printer Cable	3.50
Modem Cable	2.75
Laplink Parallel	5.00
Laplink Serial 4 Hds	6.00
Y Power Adapter	1.50
6' Keyboard Extension	4.00
PS/2 Keyboard Adapter	2.50
Hard Drive Mounting Frame	5.00
Floppy Drive Mounting Frame	5.00
Pentium 486 60/66MHz Fan	CALL

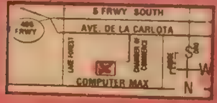
96/24 Internal Fax Modem Winfax Lite $25

NEW ITEMS!

QUICK P54SP, 4 PCI, 4 ISA, SIS CHIP	$169
QUICK P54AS, ADAPTEC 2940 BUILT-IN 75/90/100/120MHz,16550 I/O BUILT-IN	$349
QUICK P54ASW, ADAPTEC 2940W BUILT-IN 75/90/100/120MHz,16550 I/O BUILT-IN	$389
QUICK P54TI, INTEL TRITON CHIP PCI E-IDE, 16550 I/O BUILT-IN	$229
SIDE2605, 2X 16550 SERIAL PORTS, 1X EPP & ECP	$29
SIDE2610, ISA IDE, 16550 I/O	$35
SIDE2615, ISA 4XIDE, 2XFD, 4X 16550 SERIAL PORTS, 2X EPP & ECP	$79
SIDE2935, PCI SCSI-II, NCR810	$59
SIDE GOLD, VLB SCSI-II & IDE, 16550 I/O COMBO	$115
SIDE JR. L, VLB MODE 3 IDE, 16550 I/O	$35

NEW ITEMS

714 • 953 • 0233



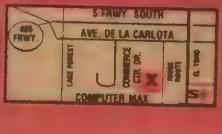
Santa Ana Location
1322 E. EDINGER, SANTA ANA, CA 92705
We are located directly behind Guadalajara Restaurant
We are not visible from the street.
STORE HOURS: M-F 9AM-5PM

2 LOCATIONS

PRICES SUBJECT TO CHANGE W/OUT NOTICE, NOT RESPONSIBLE FOR TYPOGRAPHICAL ERRORS

714 • 452 • 0065

23552 Commerce Center Drive, Suite Q
Laguna Hills, CA 92653
STORE HOURS: M-F 9:30AM-5:30PM
• Located Behind Furniture Row •



PRACTICAL PERIPHERALS (LIFETIME WARRANTY)

14.4 Int./Ext. Fax Modem	$95/109
28.8 Int./Ext. Fax Modem v.34	189/225

PHOEBE

96/24 Internal Voice Mail Fax Modem	$35
14.4 Internal/External Fax Modem Winfax Lite, Cables	45/69
14.4 Internal Voice Mail Fax Modem	59
28.8 Internal V.Fast Fax Modem	99
28.8 Internal/External Fax Modem V.34	129/149

US ROBOTICS

14.4 Int/Ext. & 14.4 SI Int./Ext. Fax Modem	$95/115/69/89
28.8 V.34 Int/Ext	219/239

SUPRA

14.4 Int. Fax Modem Express Plus Int./Ext.	$85/99
14.4 Fax Modem MAC	119
28.8 Int./Ext. Fax Modem V.34	199/235

ZOOM

14.4 Int/Ext. Fax Modem	$99/129
14.4 Internal Fax Modem w/Voice Mail	135
28.8 Int/Ext. Fax Modem	139/179

SOUND CARDS

ZOLTRIX AUDIO PLUS 1600 - 8bit Stereo Sound Card	$39
ZOLTRIX AUDIO PLUS 1600 - 8bit Stereo Sound Card, 11 Voice, Includes: Interface Card + Speakers + Joystick + Games	59
ZOLTRIX AUDIO PLUS - 16bit Sound Card, 20 Voice, Includes: Interface Card	69
MEDIA VISION JAZZ - 16bit Sound Card IDE Includes: Interface Card	49
CREATIVE LABS - 16 Basic	69
CREATIVE LABS - 16 MCD	79

MULTIMEDIA KITS

PANASONIC 2X CD ROM KIT

16 Bit Sound Card • Computer Speakers • Microphone
5 CD TITLES:
Travel Map, Jewels of the Oracle, Space Quest & Kids Read - The Paper Bag Princess, Mudd Puddle
$159

CD ROM KIT

Sony 2X CD ROM
16bit Stereo Sound Blaster Compatible • Sound Card
Computer Speakers • Microphone
5 CD TITLES:
Photo Library, MS Jumpstart, Dr. Schueler's Home Medical Advisor, The Animals & Battle Chess
$179

4X TEAC CD ROM

16bit Stereo Sound Card
Computer Speakers • Microphone
5 CD TITLES:
Microsoft Money, Photo Library, The Animals, Kids Read - The Paper Bag Princess & Kids Read - Mudd Puddle
$259

CD TITLES

3D Wolf	$10
3D Animania	5
5 Star Games Multimedia & Graphic	6
5 Star Educational Games	6
5 Star Windows Edition	6
7th Quest	15
16bit Sound Masterpiece	5
49er's Window Games	5
50 Windows Games	5
51 Windows Games	5
101 Only The Best Games	10
2700 Type Fonts	6
14000 Programs	5
A Tree Through The Season	10
Action 100	5
Advanced Games	6
Adventures in Heaven 2	15
Aesop's Fables	10
Aladdin and the Wonderful Lamp	10
All You Can Play	5
Animal Alphabet	13
Animation & Games	6
Animation Festivel	6
Animation Tour	6
Arthur's Teacher Trouble	13
Automobile Almanac	6
Battle Chess	8
Beauty and The Beast	13
Bible Study & Games	10
Bible & Religion	10
Birds & How They Grow	10
Blown Away	19
Blue Force	15
Body Works	10
Business Programs	6
Butterflies	10
Cad	6
Capital Hill	14
Card Shop Plus	9
Carmen San Diego	15
CD-Blitz	5
Cinderella	8
Classic Cartoons	8
Clip Art	5
Clip Art Library	5

Communication Master	5
Compton's Encyclopedia '95	19
Compu Fix	5
Computer Super Market	5
Concise Encyclopedia	10
Day of Tentacle	15
Deluxe Pack	14
Desktop Publisher's Dream	5
Dinosaurs Encyclopedia	13
Dinosaur Safari	8
Doom	8
Doom & Accessories	10
Dr. Fun Pak	8
Dr. Schueler's Home Medical Advisor	8
Family Fun	5
Farm Animals	10
Fonts	6
Game Magic	6
Game Studio	8
Games Galore	5
Game Palace	8
Goldilocks & the Three Bears	14
Grandma & Me	10
Great Naval Battles	10
Grolier's Encyclopedia	15
Gunship 2000	15
F15 Strike Eagle	15
Ham Radio	6
Hard Drive	6
Heather Hits Her First Home Run	10
Hell	19
I Can Spell	8
I Can Library	8
Image Compendium	6
Image Library	5
Image World	5
Indiana Jones	15
Indy Car Racing	25
Iron Helix	15
Jewels of The Oracle	6
Journeyman Turbo	18
Jurassic Dinosaurs	12
Just Grandma & Me	13
Jutland	10
Kids Farm	8

Kids Games	8
Kids Rhymes	8
Kids Sing Along	8
Kings Quest V	8
Kings Quest VI	14
Languages of the World	15
Lawnmower Man (Retail Box)	19
Learning Games	8
Lenny's Music Toons	8
London	13
Lord of the Rings	18
Mad Dog	15
Mad Dog II	18
Mario is Missing	13
Math Made Fun	8
Mathematics Encyclopedia	8
Mavis Beacon	14
Mayo Clinic	15
Medio	5
Mega Race	14
Midi & Wave Workshop	8
Monarch Notes	15
Monkey Island	12
Mother Goose	10
Movie Select	5
Mozart	12
Multimedia World History	15
Music Box	5
My Talking Dictionary	10
Myst	29
MS Bookshelf '93	15
MS Encarta '94	29
MS Bookshelf '94	25
MS Bookshelf '95	35
MS Encarta '95	35
MS Golf	19
MS Jumpstart	8
MS Money	8
MS Musical	19
MS Works & Money	25
MS Dangerous Creatures	19
Ocean Below	10
Operation Desert Storm	10
Our House	8
PC Karaoke Classic Oldies	8

PC Karaoke Family Fun	8
PGA Tour Golf & World Tour Tennis	19
Photo Library	8
Photo Madness	5
Power Poker	19
Power Rangers	14
Presidents	14
Prostar	15
Puzzle Puzzle	8
Quantum Gate	15
Quick & Easy Spanish	15
Rainbow Children Park	6
Rebel Assault	25
Religion	6
Return to Zork	15
Ringworld	10
Rise of Robots	29
Rock Rap 'n' Roll	5
Scary Poems	10
Seawolf	19
Shadow Caster	19
Shareware Medley	5
Sherlock Holmes	8
Sim City	15
Sim City 2000	25
Smart CD	5
Space Quest	8
Space Shuttle	10
Spelling Trick	8
Spiders	10
Sports Illustrated	15
Star Trek	15
Star Wars Chess	15
Stellar	5
Strike Commander	19
Stun & Run	13
Syndicate Plus	19
Tax Cut	6
The Animals	12
The Cat Came Back	10
The Journey Man Project	15
The Sleeping Beauty	12
The Tale of Benjamin Bunny	10
The Tale of Peter Rabbit	10
The Paper Bag Princess	10

The Presidents	13
Time Alamanac	5
Time Table	5
Top 101 Games	5
Travel Map	8
Travel to Space	5
Tree Through the Seasons	10
Twains World	15
Ultrabots	19
United Computers	5
U.S. Air Carriers	10
U.S. Air Power	10
U.S. Atlas	10
U.S. Battle Tanks	10
U.S. Bombers	10
U.S. Navy Seal Team	19
War Birds (Arts & Letters)	6
Wayzata World Factbook	5
Whales	10
What Air Can Do	10
Where in the World Is Carmen San Diego	15
Win Tools	5
Window Applications	5
Window Programs	5
Wing Commander Privateer	19
Wolf	15
Word Stuff	15
World Circuit	15
World of Education	5
World War II	8
Zodiac Game Pak	5

Challenge Pak - Robo Cop 3D, F-29 Retaliator, Push Over, Epic, Might & Magic, D/Generation, Contraption Zack, The Chessmaster 2100, Life & Death II, The Brains $13

Eureka Pak - Compton's Interactive Encyclopedia, World Atlas, US Atlas, Chessmaster 3000, Mavis Beacon Teaches Typing, Etc. $39

Legend Pak (15 Titles) - Cinderella, Thomas Snowsuit, RoboCop 3D, F-29 Retaliator, Pushover, Epic, Might & Magic III, D/Generation, Contraption Zack, The Chessmaster 2100, Life & Death II, The Paper Bag Princess, Mud Puddle, The Tale of Benjamin Bunny, Scary Poems $39

Adult CD's

Crowberry, Adult Movie Collection-500 Movies, Hot Line Taboo, Men's Club, Obsessions, Pretty Baby, Pink Lady, Motion & Picture, Cartoon Fantasy, Moving Fantasies, Insatiable Woman, Visual Fantasies, Pearl (Movie), Movies for the Night, Day Dream, Adult Movie Collection, Hot Shareware, Devil or Angel, Fun with Tits $8

I Can't Stop My Love Juice, Reveal a Secret, Sensual Pleasure, She, Sweet Body, Temptation, The Uniform Collection, Woman, Erotic, Garden Secret, Oriental Hit Night, Sakura,Hurt Angel, She, Girlish Beauty, Passion, Kiss Me, Nude Body, Erotic, Oral Sex, Sexual Encounters, Lesbian Lust, Beautiful Woman, Steamy Sex, Anal Attractions, La Traviata, Professional Beauties, World's Best Breasts, XXX Over 1,000 Pictures $15

A Pussy Called Wanda II, Adult Interactive Sampler 20, American Girls, Girls of Vivid, High Volume Nude, Super Model Go Wild, Screen Dreams $18

MISCELLANEOUS

MONITORS

Glass Monitor Screen Filter	$10
14" Monochrome Monitor	79
14" VGA Monitor .39	159
14" VGA Monitor .39 Full Screen	179
14" SVGA Monitor .28	179
14" SVGA Monitor .28 Full Screen	199
14" Monitor .28 N-I	199
14" SVGA Monitor .28 N-I Full Screen	209
15" SVGA Monitor .28 N-I Flat Screen	275
15" SVGA Monitor .28 N-I Digital Control	297
17" SVGA Monitor .28 Digital Control	575

VIDEO DISPLAY CARDS

Monochrome Graphics Cars	$12
256K SVGA HMO	24
512K SVGA Trident	35
1 Meg SVGA Trident	59
1 Meg VLB Trident	65
1 Meg VLB Cirrus Logic	75

MOTHERBOARDS

PENTIUM MOTHERBOARDS

VIA	90/100MHz PCI, 256K Onboard Enhanced IDE/FDD Cntrl., 16550 I/O Ports, Bi-directional Printer Port, Cables & CPU Fan Incl.	$255
ALI	90/100MHz PCI, 256K Onboard Enhanced IDE/FDD Cntrl., 16550 I/O Ports, Bi-directional Printer Port, Cables & CPU Fan Incl.	219
OPTI	90/100MHz PCI 256K	185
OPTI	60/66MHz PCI/VLB 256K	169
OPTI	60/66MHz PCI/VLB 256K, 30/72 PIN Combo RAM	189
PERCOMP	60/66MHz PCI 256K	119

486 MOTHERBOARDS

VIA	486DX2/DX4 PCI/VLB 256K Onboard Enhanced IDE/FDD Cntrl., 16550 I/O Ports, Bi-directional Printer Port Cables & CPU Fan Incl.	$139
VIA	486DX2/DX4 PCI/VLB 256K	99
VIA	486DX2/DX4 VLB 256K	99
OPTI	486DX2/DX4 PCI/VLB 256K	119
OPTI	486DX2/DX4 VLB 256K	99
OPTI	486DX2/DX4 VLB 256K 30/72 PIN Combo RAM	99
SIS	486DX2/DX4 VLB 256K 30 PIN RAM	99
SIS	486DX2/DX4 VLB 256K 72 PIN RAM	99
SIS	486DX2/DX4 VLB 256K 30/72 PIN Combo RAM	99
PC-CHIP	486DX2/DX4 VLB 256K 30/72 PIN Combo RAM	89
UMC	486DX2 VLB 256K	89
CONTAQ	486DX2 VLB 256K	99
CONTAQ	486DX2/DX4 PCI/VLB 256K	125
ALI	486DX2 VLB 256K Onboard Adaptec 6360 SCSI Cntrl. 30/72 PIN Combo RAM	159

MISCELLANEOUS MOTHERBOARDS

386SX-40MHz w/CPU	$55
386DX-40MHz w/CPU & 128K	85
486SLC3 w/CPU	59
486DLC-40MHz w/CPU & Math Co. + 128K	119

CONTROLLER CARDS

VLB SCSI Ctrl. w/IDE/FDD 16550 I/O Ports + Bi-directional Printer Port	$129
IDE Controller 2S/2P/1G	12
I/O Card VESA Local Bus	20
I/O 16550 U-Art	25
I/O 16550 VESA Local Bus I/O / Promise	49/59
Printer Card	12
Floppy IDE Controller	12

KEYBOARDS

101 Professional	$15
101 Click or Soft Touch	$19
Chicony Soft Touch 5311	19
Chicony Click 5181	29
Focus Click 2001 Inclu. Cover	32
Focus 6000 Soft Touch	23
Chicony Trackball	39
Microsoft Natural	79

CASES

Mini Tower 200W P/S LED	$35
Desktop 200W P/S LED	45
Medium Tower 230W P/S LED	55
Full Tower 250W P/S LED	69
250W Power Supply	25

FLOPPY

1.44/1.2 Mitsumi	$33/43
1.44 TEAC/1.2 TEAC	35/45
1.2 + 1.44 TEAC Floppy Drive	89

HARD DRIVES

270MB	139
420MB	149
540MB	169
850MB	195
1.2GB IDE	279

MICE

Qtronix 3 Button Mouse	$5.99
Z-Nix 2 or 3 Button Mouse	8
Genius LC Mouse 2 Button	8
Genius Easy Mouse 3 Button	9
Genius Clixes Mouse 3 Button	15
Genius Mouse 3	19
Genius Mouse 3 - PLUS (FREE Software)	25
Genius Hi-Point (Notebook Trackball)	39
Genius New Trackball	39
Genius Hi-Trackball	49
Microsoft Mouse	25
Trackball	19
Qtronix Trackball	29
Mouse Pad (Blue, Grey or Red)	1.50
1995 Calendar Mouse Pad	1.99
Wrist Pad (Blue)	2.99

SHAREWARE SOFTWARE

OVER 1,000 To Choose From .... ONLY $1.99
Games, Educational, Pictures, X-rated

CD ROMS

Acer 2X	$69
Sony 55A 2x	109
Sanyo SCSI 2x	129
Panasonic 2x	79
Mitsumi 2x	109
TEAC 4x	159
TEAC 4x + 1.44 Floppy Drive	199

CD ORGANIZERS/DISK BOXES

CD Jewel Case 1	$.49
CD Flip File 12/60	3.50/9.99
12 CD Rack Organizer	5.99
12/24 CD Profile Black Case	5.99/10.99
36 CD Rack w/Door Black	8.99
60 CD Rack Black	9.99
60 CD Rack w/Door Black	15.99
60/120 CD Tower Black	11.99/19.99
96 CD Media Rack	15.99
3 1/2" Disk Box 10pc.	1.50
3 1/2" Disk Box 10pc. (Black)	3.99
3 1/2" Disk Box 50pc.	4.99
3 1/2" Disk Box 100pc.	6.99
5 1/4" Disk Box 10pc.	1.50
5 1/4" Disk Box 50pc.	4.99
5 1/4" Disk Box 100pc.	6.99

SCANNERS

Genius Black & White/Gray Scale	$69/99
Genius Color/Flatbed	229/499

AND MORE

Computer Speaker System (Pair)	$5
Amplified Speakers (Pair) 30 Watt	15
Amplified Speakers (Pair) 80 Watt/112Watt	49/59
Microphone	5
Joystick	13
Game Pad/Cordless	10/19
Scanner Tray	29
Printer Stand	2.99
Mouse Holder	1.99
Monitor Moving Arm	29
Power Center	15
Power Strip	3.99
Copy Holder	5.00
Mounting Frame	5.00
Tool Kit 11pc.	9.00
Computer Vacuum Cleaner	9.00
Computer Stand	2.99
Complete Computer Cover	9.00
14" or 15" Monitor Cover	3.99
Case Cover (Mini, Medium, Full Tower)	3.99
Keyboard Cover	3.99
Printer Cover	3.99
Winfax Lite Software	9.00
Keyboard Drawers Under/Top	15/19
Lan Card (Jumperless Network Card)	35
Colorado 250 Jumbo Tape Backup	129
Colorado 350 Jumbo Tape Backup	139
Conner 420 Jumbo Tape Backup	159
TV to VGA Encoder	99
Hi-Tuner (Delivers TV Signals to Your PC)	89
Easy Painter	89
Hi-Video (Motion Picture Manipulation)	199
MPEG Card (Movie)	169

ADVANCED COMPUTER AND

486DX4-75 Active Color

AST Ascentia 900N NoteBook

- 4MB RAM Exp. to 20MB
- 510 MB IDE Hard Drive
- 1.44 FDD
- Track Point, PCMCIA Type II slot
- MS-DOS & MS-Windows

$1699

486DX2-50 Active Color

AT&T Safari NoteBook

- 4MB RAM
- 250 MB Hard Drive
- 1.44 FDD
- PCMCIA Slots (2 type II, 1 type III)
- Built in Track Ball
- MS-DOS & MS-Windows

intel inside

Limited to stock on hand. **$1449**

486DX2-50 Active Color

Datatrend NoteBook

- 4MB RAM
- 340 MB Hard Drive
- 1.44 FDD
- PCMCIA type II Slot
- Built in Modem
- MS-DOS & MS-Windows

Unbelievable Price!

Limited to stock on hand. **$1349**

IBM Thinkpad 355C

486SX 33 Dual Scan Color

- 4MB RAM
- 170 MB Hard Drive
- 1.44 FDD
- Track Point
- MS-DOS & MS-Windows

$1299

Specials

Packard Bell Systems

75 MHz Pentium System

- 8 MB RAM
- 810 MB HDD
- 16 bit Sound Card
- 2X CD ROM
- 14.4 FAX/MODEM
- 1.44 FDD
- Speakers
- 101 Keyboard
- Mouse
- 14" SVGA Monitor

$1,299.00

60 MHz Pentium System

- 8 MB RAM
- 540 MB HDD
- 16 bit Sound Card
- 2X CD ROM
- 14.4 FAX/MODEM
- 1.44 FDD
- Speakers
- 101 Keyboard
- Mouse
- 14" SVGA Monitor

$999.00

66 MHz 486DX2-66

- 4 MB RAM
- 420 MB HDD
- 16 bit Sound Card
- 2X CD ROM
- MODEM
- 1.44 FDD
- Speakers
- 101 Keyboard
- Mouse
- 14" SVGA Monitor

$779.00

Each of these Systems comes with over $1200 worth of Software FREE!

1.2 GB EIDE Hard Drive $239.00

486DX2-66 MOTHER BOARD
w/ 256k Cache, 3 VLB Slots, ZIF Skt.
$159.00

Intel Triton Chipset MOTHER BOARD
Supports 75/90/100/120 MHz CPU
Built-in enhanced PCI IDE, high speed I/O,
256k Cache (exp. to 512k)
$189.00

All specials... Limit one per customer.

Pentium 120

- Intel Triton Mother Board
- 256 k Cache
- 8 MB RAM 70ns
- 540 MB HDD
- PCI Controller Card
- 2S,1P, 1G Port
- PCI SVGA Card 1Meg
- 1.44 Floppy Drive
- 101 Keyboard Enhanced
- Hi Resoluton mouse
- Midtower case w/ 230 Watt P/S
- 14" SVGA monitor N.I.

intel inside

$1629.00

Pentium 100

- Intel Triton Mother Board
- 256 k Cache
- 8 MB RAM 70ns
- 540 MB HDD
- PCI Controller Card
- 2S,1P, 1G Port
- PCI SVGA Card 1Meg
- 1.44 Floppy Drive
- 101 Keyboard Enhanced
- Hi Resoluton mouse
- Midtower case w/ 230 Watt P/S
- 14" SVGA monitor N.I.

intel inside

$1289.00

Pentium 90

- Intel Triton Mother Board
- 256 k Cache
- 8 MB RAM 70ns
- 540 MB HDD
- PCI Controller Card
- 2S,1P, 1G Port
- PCI SVGA Card 1Meg
- 1.44 Floppy Drive
- 101 Keyboard Enhanced
- Hi Resoluton mouse
- Midtower case w/ 230 Watt P/S
- 14" SVGA monitor N.I.

intel inside

$1249.00

Pentium 75

- Intel Triton Mother Board
- 256 k Cache
- 8 MB RAM 70ns
- 540 MB HDD
- PCI Controller Card
- 2S,1P, 1G Port
- PCI SVGA Card 1Meg
- 1.44 Floppy Drive
- 101 Keyboard Enhanced
- Hi Resoluton mouse
- Midtower case w/ 230 Watt P/S
- 14" SVGA monitor N.I.

intel inside

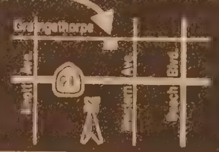
$1179.00

Store Hours
Mon.–Fri. 9:30–6:30
Sat 11:00–4:00

Buena Park

(714) 670-6321
Fax (714) 670-6322

7342 Orangethorpe Ave.
Suite #A-102
Buena Park, CA 90621



Torrance

(310) 618-6912
Fax (310) 618-6914

2401 208th St.
Suite # 10
Torrance, CA 90501

TECHNOLOGY

We Will Try To Beat Any Advertised Price!

3 MONTHS SAME AS CASH!

486SX-25 Active Color

AST Bravo NoteBook

- 4MB RAM Exp. to 20MB
- 170 MB IDE Hard Drive
- 1.44 FDD
- Built in Track Ball
- MS-DOS & MS-Windows

intel inside

$1049

Packard Bell NoteBook

486SLC2-50 Dual Scan Color

- 4MB RAM
- 200 MB Hard Drive
- 1.44 FDD
- Keyboard Integrated J-Mouse
- One PCMCIA Type II slot
- MS-DOS, MS-Windows, MS Works, MS Entertainment

Limited to stock on hand. **$999**

Hyundai NoteBook

"Neuron 486SLC33" Dual Scan Color

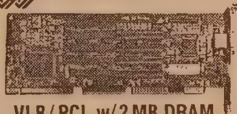
- 32 bit NoteBook
- 4MB RAM
- 170 MB Removable Hard Drive
- 1.44 FDD
- Built in Trackball
- One PCMCIA Type II Slot
- MS-DOS & MS-Windows
- Carring Case

Limited to stock on hand. **$949**

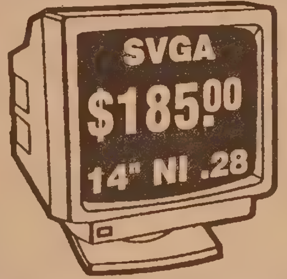
540 MB IDE Hard Drive $149.00

420 MB IDE Hard Drive $129.00

DIAMOND Stealth 64



VLB/PCI w/2 MB DRAM
$159.00



Specials

MOTHERBOARDS WITH CPU

486SLC-33	$49.00
486DLC-40 w/Math Co	$89.00
IBM 486SLC2-66 VLB w/128k Cache	$149.00
486DX2-66 VLB 256k Cache Intel Overdrive ready	$199.00
AMD 486DX2-80 VLB 256k Cache	$179.00
AMD 486DX4-100	$189.00
Intel 486DX4-100	$239.00
Pentium 75 PCI Intel Triton 256k	$399.00
Pentium 90 PCI Intel Triton 256k	$469.00
Pentium 100 PCI Intel Triton 256k	$499.00
Pentium 120 PCI Intel Triton 256k	$849.00

MEMORY

1 MB SIMMS 30 Pin	$34.50
4 MB SIMMS 30 Pin	$119.00
4 MB 72 Pin	$129.00
8 MB 72 Pin	$255.00
16 MB 72 Pin	$459.00

HARD DRIVES

540MB IDE	$149.99
850 MB IDE	$189.99
1.2 GB IDE	$239.00
1.08GB SCSI	$419.00
2.0 GB SCSI II	$699.00

TAPE BACKUP

Colorado 350 (internal)	$145.00
Colorado 250 (external)	$249.00
Conner 420 w/tape	$139.00
Conner 850 w/tape	$189.00
Tape cartridge 2120	$12.00

FAX MODEMS

Fax Modem 14.4	$45.00
Voice Fax Modem 14.4	$55.00
US Robotics 14.4	$89.00
US Robotics 14.4 External	$109.00
US Robotics 28.8 Internal	$215.00
US Robotics 28.8 External	$239.00

MULTI MEDIA KITS

Multimedia Kit
- SONY Double Speed CD ROM
- 16 bit Sound Card
- Speakers/MS Encarta/MS Works/MS Money & more CD Titles $179.00
- Media Vision

Multimedia Kit Quad Speed. $249.00

CD ROM DRIVES

CD Rom Panasonic 562 300ms dbl speed	$79.00
Teac 4X	$149.00
Toshiba Quad Speed SCSI	$289.00
Toshiba Quad Speed IDE	$149.00
Mitsumi Quad Speed	$159.00
Sony 2X	$99.00

ACCESSORIES

MiniTower case w/ps	$35.00
MidTower case w/ps	$55.00
FullTower case w/ps	$69.00
Desktop case w/ps	$45.00
1.2MB FD 5 ¼"	$39.00
1.44MB FD 3 ½"	$29.00
Keyboard 101	$15.00
Keyboard 101 Professional	$22.00
Keyboard Focus 2001	$34.00
Microsoft Ergonomic Keyboard	$92.00
Mouse Serial	$7.00
MS Mouse	$27.00
Track Ball	$20.00
Ethernet 16 Bit (NE2000)	$29.00
Novel Netware 3.12 5U	$529.00
Novel Netware 3.12 10U	$1,099
AT I/O SUPER IDE	$12.00
AT I/O Local Bus w/IDE	$17.00
PCI Controller w/IO	$25.00
Adaptec 2940 PCI SCSI Controller	$219.00

486DX4-100

- 486DX4-100 VESA w/256k Cache
- 4MB Ram 70 n/s
- 420 MB IDE HD
- VLB Graphics Card w/1MB
- VLB IDE CARD
- DIGITAL Mini Tower
- 101 Keyboard
- 1.44MB FDD
- 14" NI SVGA Monitor .28
- Mouse

$829.00

486DX2-66 VLB

- 486DX2-66 VESA w/256k Cache
- 4MB Ram 70 n/s
- VLB Graphics Card w/1MB
- VLB IDE CARD
- DIGITAL Mini Tower
- 101 Keyboard
- 1.44MB FDD
- 420 MB IDE HD
- 14" NI SVGA Monitor .28
- Mouse

$799.00

486SLC-33

- 486SLC-33
- 2MB Ram 70 n/s
- SVGA Card
- SUPER IDE I/O CONT.
- Digital Mini Tower
- 101 Keyboard
- 1.44MB FDD
- 420 MB IDE HD
- 14" SVGA Monitor .39
- Mouse

$529.00

HEWLETT PACKARD

INKJET PRINTERS

Deskjet 540	$215.00
Deskjet 660C	$449.00
Deskjet 1200C	$949.00

LASERJET PRINTERS

HP 4 Plus w/Toner	$1325.00
HP 4M Plus w/Toner	$1785.00
HP 5P w/Toner	$849.00
HP 4MP	$1275.00
HP 4L w/Toner	$480.00
HP 4L M w/Toner Compl.	$950.00
HP 4SI w/Toner	$2750.00
HP 4 V	$1830.00

SCANNERS

HP III CX	$869.00

CREATIVE

Creative Labs Vibra 16 MCD	$69.00
Creative Labs SB16 SCSI-2	$99.00
Creative Labs SB32 AWE	$219.00
Creative Labs SB16 SCSI-2 w/ASP	$159.00

View Sonic

V6E 14" .28 NI 1024x768 Green	$249
V15ES 15" Flat .28 NI 1024x768[†]	$319
V15 15" Flat .27 NI 1280x1024 Digital[†]	$389
V15G 15" Flat .28 NI 1280x1024 Digital[†]	$359
V17E 17" Flat .28 NI 1280x1024 MAC[†]	$659
V17G 17" Flat .28 NI 1280x1024[†]	$679
V17 17" Flat .27 NI 1600x1280 MAC[†]	$799
V20G 20" Flat .28 NI 1600X1280 MAC[†]	$1199
V20 20" Flat .28 NI 1600x1280 MAC MPR-II	$1389
V21 21" Flat .28 NI 1600x1280 MAC[†]	$1559
V21PS 21" Flat .25 NI 1600x1280 Super Dark MAC[†]	$1599

[†] Green and MPR-II

MAG

MAG DX15F 15" .28 NI 1280X1024 MPR-II Green	$339
MAG DX17F 17" .26 NI 1280X1024 MPR-II Green	$629
MAG MX15F 15" .28 NI 1280X1024 MPR-II Auto-Sizing	$449
MAG MXP17F 17" Flat .26 NI 1600X1280 Anti-reflection coating MPR-II Green	$879
MAG MX21F 21" .28 NI 1600X1280 MPR-II Green	$1599

NEC Monitors

Please Call

MONITORS

Impression 3 SVGA 14".28 NI	$209.00
Impression 5 SVGA 15" .28 NI	$299.00
Impression 7 SVGA 17" .26 NI	$575.00

VIDEO CARDS

Diamond Stealth 64VLB 2MB DRAM/VRAM	$169/275
Diamond Stealth 64 PCI 2MB DRAM/VRAM	$169/275
Diamond Viper SE PCI 2MB VRAM	$269
Diamond Viper SE VL 2MB VRAM	$299
1MB Trident VLB	$65
ATI Mach 64 VLB/PCI 2MB DRAM	$169
ATI Mach 64 VLB/PCI 2MB VRAM	$249
1MB Trident ISA	$56
Trident ISA 512k	$36

San Gabriel

(818) 237– 2020
Fax (818) 451– 0543

6913-B Rosemead Blvd.
San Gabriel CA 91775

New York

(212) 967–1616
Fax (212) 967-0872
146 W. 29th St., 10th Fl.
New York, NY 10001

Financing Available
MasterCard
DISCOVER
VISA

All systems come with a one year parts and labor warranty. Prices are subject to change without notice.

Not responsible for typographical errors.

All product names are trademarks of their respective companies.

All prices reflect a 2% cash discount.

REALIZABLE FANTASIES • BY JIM WARREN

With A Congress Like This, Who Needs An Ayatollah?

Censorship Is Alive And Well

Here's an exciting review of last month's thrilling progress in Orwellia—formerly known as Washington, D.C.—towards the complete demolition of that disgusting, dangerous First Amendment, the idiotic proposal that mere citizens could be allowed to have freedom of expression without proper government control.

As print newspapers continue to die due to exploding costs of paper, delivery, and labor—leaving only the largest and most obedient establishment rags to spew pre-landfill advertising to money-emitting couch-potatoes—it is clear that online communications are the only possibility for unfettered diversity of views and effective interaction among assemblies of citizens.

And Congress is not about to risk it!

The senior Demopublicans and Republicrats are zealously ramming the government's censor-prone nose—or similar protuberance—up everyone's sheets, into everyone's love letters (and hate letters), and most especially into the only communications channel that's economical and available for mere citizens.

By the time you read this, the congressional herd should have given their final obedient bleats in favor of the following:

Be Annoying; Go To Jail

Passed by the Senate on June 14, 84 to 16, the so-called "Exon amendment" to the Telecommunications Deregulation Act (S.652) makes it a federal crime with a penalty of up to $100,000 and/or two years in prison for using any "telecommunications device" to "**make, create, or solicit any comment, request, suggestion, proposal, image, or other communication which is obscene, lewd, lascivious, filthy, or indecent,**" if its intent may be to "annoy" anyone—or "abuse, threaten, or harass."

This ignores that there are already ample federal and state statutes for prosecuting those who abuse, threaten, or harass—with or without the aid of a telecom device.

This is nothing less than imposing government censorship of words and images that are fully protected when they are sound waves or ink on paper. The lame excuse for imposing government control is that the expression is aided by a telecom device.

(Interestingly, phone sex services are excluded from this mandate, as long as the phone companies continue to make huge political contributions to congressional incumbents—uh, I mean, as long as the sex services are for commercial purposes and do not involve minors. *Honest!* There is an explicit exemption granted if it's commercial sex for adults.)

This prohibition against adult communication when assisted by telephony was introduced by Sen. Jim Exon (D-NB) a few months ago as S.314, aided by Sen. Slade Gorton (R-WA)—and was even worse than the current form. Nonetheless, all members of both parties on its key Senate committee passed it unanimously without debate.

Making clear what he thought of the Constitution, Exon said, "We must brush aside the ACLU and others who want to get hung up on constitutional rights" (reported in the June 8 *Communications Daily*).

Two centuries ago, the king didn't like unfettered speech, either. That's why those upstart rebels made freedom of expression their first-enacted civil liberty.

Repression To Be: Examples

No more nasty comments by phone or fax to your elected representative, or your boss who just fired you, or to slovenly service providers, nor to the fifth telephone solicitor to call during dinner.

Perfectly legal movies that you can see or rent will be felonies when delivered by wire and wireless. Articles and stories that you can read in print—that some prosecutor, somewhere, might consider indecent—will be prohibited online. Siskel and Ebert will have to censor otherwise-legal comments or images if they might offer them in online reviews.

As cable operators begin offering telecommunications and phone companies begin offering videos, this legislation can threaten them into submission, lest they dare to allow any filthy *NYPD Blue* tush to enter a home via telecomm, much less anything so awful as the

Bottom line: *Freedom of expression that is protected in its voice and print forms, is to be controlled by government censors when aided by electronics.*

INDUSTRIAL
COMPUTER • SYSTEMS

Full Line of Rackmount Chassis & Accessories

Over 20 Different Models
- 8 to 20 expansion slots
- Up to 10 drive bay
- Chassis w/ built-in color/ mono monitor
- Redundant power supplies
- Multiple computer in one chassis

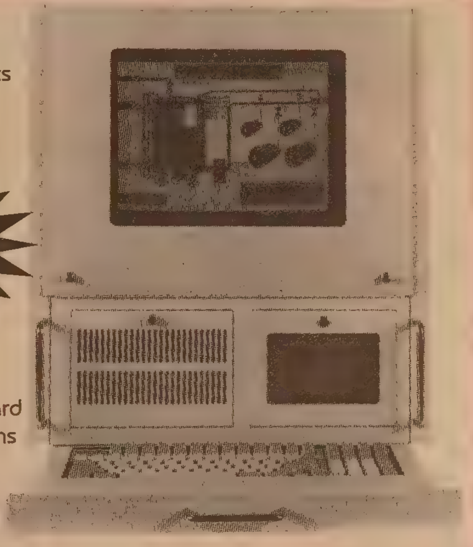
Rackmount Monitors & Monitor Enclosures
- From 5" to 20" rackmount monitors
- Enclosures for mounting standard desktop monitors

Rackmount Keyboards
- Full travel 101 keyboard w/ mouse or trackball
- KB drawer for regular desktop KB
- Membrane keyboards (vertical mount or desktop)

Dealers/Distributors Welcome! Ask for quantity discounts!

14 slot 486Dx-33
Rackmount System
for Harsh Environments
at just

$1250



- Picture w/ optional monitor and keyboard
- Custom configurations also available

Completely Configured Rackmount System

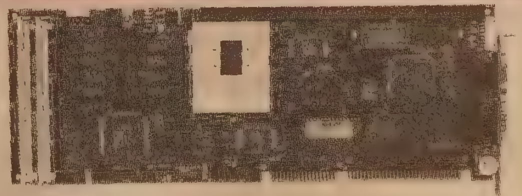
NEW!! $245

- Locking front panel access
- AT M/B or 14 slot Passive B/P
- Filtered Positive Air Pressurization
- Shock-mounted Drive Bay
- Desktop version available
- $265 w/ 250W P/S (UL, CSA,& TUV) - **optional**

SRPC-210 19" Rackmount Chassis

- 286, 386, 486 or Pentium system
- 9 different models to choose from
- CRT, TFT & EL display option
- Rugged rack or panel mount
- 9", 10", 14" mono or color monitor
- Up to 6 user expansion slots

NEMA 4/12 Industrial Workstation



- 386SX to 486DX4-100
- ISA, EISA or VESA Local Bus
- On-board video
- Auto boot capability
- Up to 128 MB on-board memory
- Also available in Pentium

Single Board Computer

Siliconrax
1050 E. Duane Bldg. I, Sunnyvale, California, 94086
Tel: (408) 720-1090 • Fax (408) 245-2570

1-800-700-8560

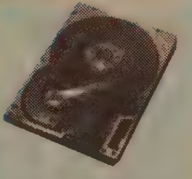
VISA MasterCard AMERICAN EXPRESS

EZ COMPUTER international

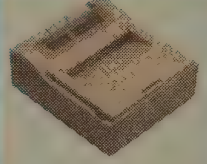
EZ COMPUTER HOT!!!

No Payments For 180 Days !!!

Only $277.00
Infinity 15" monitor
- SVGA
- .28mm
- Non-Interlaced

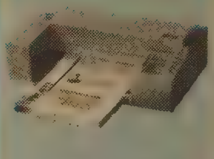


Only $279.00
Maxtor
- 1.2 Gig Hard Drive
- IDE
- 12ms



Only $309.00
Okidata 400e
- Laser Printer
- 300dpi
- 4ppm

Okidata printer price after MFR $50 rebate



Only $198.00
EPSON 800+
- 360 dpi
- prints 250cps
- Built in parallel interface

Laser Printer Included

DREAM MACHINE

PENTIUM 90 / 100 MHZ Multimedia System

- MED TOWER CASE FCC
- PENTIUM 90 / 100 MHZ CPU
- HEAT SINK
- PCI PENTIUM MB W/ 256K SRAM
- **16MB OF RAM**
- **850MB HARD DRIVE**
- 15" .28 NI MONITER
- 3.5" 1.44MB FLOPPY DRIVE

$50 Mfr. Printer Rebate!!

- 101 KEYBOARD
- HI-RES MOUSE WITH MOUSE PAD
- **DIAMOND STEALTH PCI 2MB VIDEO CARD**
- PCI ENHANCED CONTROLLER CARD
- **4X CD ROM**
- **SOUND BLASTER AWE 32-BIT CARD**
- 140W POWER SPEAKER
- **28.8K FAX MODEM**
- Free Trial Prodigy/ America On- line/ Compuserve
- MICROSOFT ENCARTA 95'
- MS Money, MS WORKS, MS GOLF
- MS CD TITLES
- **OKIDATA OL400e** 300Dpi 4ppm Printer**

P-90MHz INTEL	$2659••
P-100MHz INTEL	$2789••

**Price after printer rebate

pentium™ PROCESSOR

Canon®

TOSHIBA®

NEC®

EPSON®

IBM®

NOVELL®

BRONZE SERIES

486 DX 2/66 MHZ 486 DX4/100MHZ
MINI TOWER CASE FCC
INTEL 486DX2/66 CPU
HEAT SINK
486 VLB MB W/ 256K SRAM
4MB RAM
420MB HARD DRIVE
14" .28 NI SVGA MONITOR
3.5" 1.44MB FLOPPY DRIVE
101 KEYBOARD
HI-RES MOUSE WITH PAD
TRIDENT 9440 VLB VIDEO CARD 1MEG RAM
VLB ENHANCED IDE/IO CONTROLLER CARD

486DX2/66 INTEL	$849••
486DX4/100 AMD	$849••

HIGH POWER WORK STATION

PENTIUM 60/ 75/ 90/ 100 Mhz
MED TOWER CASE FCC
PENTIUM 60/ 75/ 90/ 100 Mhz CPU
HEAT SINK
PCI PENTIUM MB W/ 256K SRAM
8MB OF RAM
14" MONITOR .28 NI SVGA MONITOR
540MB HARD DRIVE
3.5" 1.44MB FLOPPY DRIVE
101 KEYBOARD
HI-RES MOUSE WITH PAD
DIAMOND STEALTH PCI 1MB VIDEO CARD
PCI ENHANCED CONTROLLER CARD

P-60MHZ	INTEL	$1198••
P-75MHZ	INTEL	$1250••
P-90MHZ	INTEL	$1325••
P-100MHZ	INTEL	$1450••

intel inside®

SILVER SERIES MULTIMEDIA

486DX 2/66 486DX4/100
MINI TOWER CASE FCC
INTEL 486DX2/66 CPU
HEAT SINK
486 VLB MB W/ 256K SRAM
8MB RAM
540MB HARD DRIVE
15" NI SVGA MONITOR
3.5" 1.44MB FLOPPY DRIVE
101 KEYBOARD
MOUSE WITH PAD
TRIDENT 9440 VLB 1 MEG RAM
VLB ENHANCED IDE/IO CONTROLLER CARD
2X CD ROM
SOUND BLASTER 16-BIT STEREO CARD
140W POWER SPEAKERS
14.4K FAX/ MODEM
Free Trial Prodigy/ America On- line/ Compuserve
MICROSOFT ENCARTA 95'
MS Money, MS WORKS, MS GOLF
MS CD TITLES

486DX2/66 INTEL	$1375••
486DX4/100 AMD	$1375••

GOLD SERIES

PENTIUM 60/ 75/ 90/ 100 MHZ MULTI- MEDIA
MED TOWER CASE FCC
PENTIUM 60/ 75/ 90/ 100 MHZ CPU
HEAT SINK
PCI PENTIUM MB W/ 256K SRAM
8MB OF RAM
15" NI SVGA MONITOR
540MB HARD DRIVE
3.5" 1.44MB FLOPPY DRIVE
101 KEYBOARD
MOUSE WITH PAD
DIAMOND STEALTH PCI 1MB VIDEO CARD
PCI ENHANCED CONTROLLER CARD
2X CD ROM
SOUND BLASTER 16-BIT STEREO CARD
140W POWER SPEAKERS
14.4K FAX MODEM
Free Trial Prodigy/ America On- line/ Compuserve
MICROSOFT ENCARTA 95'
MS Money, MS WORKS, MS GOLF
MS CD TITLES

P-60MHZ	INTEL	$1530••
P-75MHZ	INTEL	$1600••
P-90MHZ	INTEL	$1700••
P-100MHZ	INTEL	$1850••

PLATINUM SERIES

PENTIUM 90 / 100 MHZ
MULTI- MEDIA SYSTEM
MED TOWER CASE FCC
PENTIUM 90 / 100 MHZ CPU
HEAT SINK
PCI PENTIUM MB W/ 256K SRAM
16MB OF RAM
15" NI SVGA MONITOR
850MB HARD DRIVE
3.5" 1.44MB FLOPPY DRIVE
101 KEYBOARD
MOUSE WITH PAD
DIAMOND STEALTH PCI 2MB VIDEO CARD
PCI ENHANCED CONTROLLER CARD
4X CD ROM
SOUND BLASTER AWE 32-BIT CARD
140W POWER SPEAKERS
28.8K FAX MODEM
Free Trial Prodigy/ America On- line/ Compuserve
MICROSOFT ENCARTA 95'
MS Money, MS WORKS, MS GOLF
MS CD TITLES

P-90MHz INTEL	$2350••
P-100MHz INTEL	$2475••

EZ COMPUTER international

SONY® intel® Maxtor® Sound BLASTER™ hp®

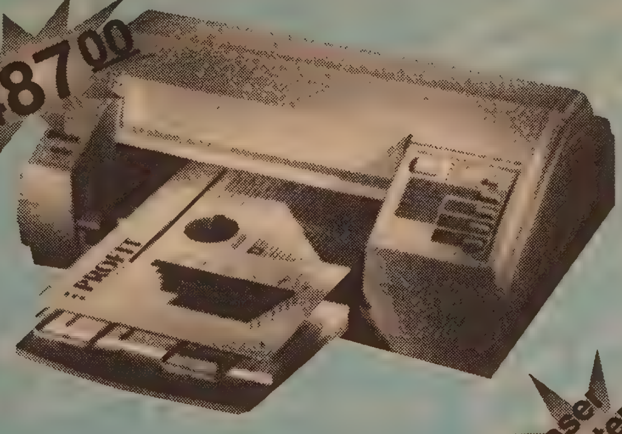
Summer Sale!!!

EZ COMPUTER international

EPSON® 720

- True 720 Dots per inch
- 300 Characters per inch
- Windows Compatible right out of the box
- 16 million colors available

$487.00



Government Corporation Schools WELCOME

The Color Ink Jet With A Clear Advantage

6DX/2 66/100MHZ Multimedia System

Laser Printer Included

- wer Case w/ 230 Watt Power Supply
- 6 VLB Motherboard 256K SRAM Cache
- Megabytes RAM
- 0 Meg Hard Drive 12ms Access
- " SVGA .28mm Non-Int. Monitor
- 6DX/2 66MHz CPU (Intel)
- 6DX/2 100MHz CPU (AMD)
- -Bit VLB Video Accelerator Card w/ 1MEG
- **0 Mfr. Printer Rebate!!**
- 32- Bit VLB Enhanced Controller Card
- 3.5" 1.44 Floppy Drive
- 101 AT Spill Proof Keyboard
- Hi- Res Mouse & Mouse Pad
- 2X Dual Spin CD ROM Drive
- Sound Blaster 16 Sound Card
- 140W Hi-Fi Stereo Speakers
- 14.4K Data/ Fax Modem
- 2 Serial/ 1 Parallel/ 1 Game Port
- Free Trial Prodigy/ America On- line/ Compuserve
- Microsoft Encarta 95'
- MS Money, MS WORKS, MS GOLF
- Plus 2 More Microsoft Titles
- **OKIDATA OL400e** 300Dpi 4ppm Printer**

486DX/2 66MHZ Intel®
486DX/2 80MHZ AMD®

$1609.00

** Price after printer rebate

Hard Drive (IDE)

Maxtor	
Maxtor 420 MB (12MS)	$155.00
Maxtor 540 MB (12MS)	$170.00
Maxtor 850 MB (12MS)	$229.00
Maxtor 1.2 GB (12MS)	$340.00
Samsung 560 MB (12MS)	$160.00
WD 1 GB (10 MS)	$369.00

Monitor

Aurora Vision	
14" SVGA (.39 1024X768)	$185.00
14" SVGA (.28 NI 1024X768)	$209.00
15" SVGA (.28 NI Dig. Control)	$289.00
Viewsonic	
15" 15ES (.28 NI 1024X768)	$355.00
15" 15 (.27 NI 1280X1024)	$410.00
17" 17E (.28 NI 1280X1024)	$675.00
17" 17GS (.28 NI 1280X1024)	$735.00
17" (.27 Dig. 1600X1280)	$810.00
21" (.25 76Hz Dig. 1600X1280)	$1629.00
Optiquest	
15" NI (.28 Dig. 2000DS)	$369.00
15" NI (.27 Dig. 2000DC)	$399.00
17" NI (.27 Dig. 4000DC)	$675.00
17" NI (.25 Trinitron 4000TC)	$759.00
20" NI (1600X1280 2082DC)	$1139.00
MAG	
DX-15F 15" SVGA NI (GREEN)	$329.00
DX-17F 17" SVGA NI (GREEN)	$619.00

Video Cards

Trident 9440VLB 1M	$65.00
Diamond Stealth SE 1M	$89.00
Diamond Stealth Video 1M	$119.00

Keyboard

Spill Resistant 102 Enhanced	$15.00
Focus 2001 (w/ Cover)	$34.00
Focus 7000 (w/ Track Ball)	$36.00
Focus 8000 (w/ Calculator)	$38.00
Focus 9000 (w/ Programmable)	$54.00

Fax/Modem

14.4K V32 Bis. Int.	$40.00
14.4K V32 Bis. w/ Voice	$69.00
28.8K V34 Int.	$129.00

Printers

Epson	
Epson 800+ Stylus Inkjet	$205.00
Epson 720 Color Inkjet	$495.00
Epson 1400 Laser	$589.00
Hewlett Packard	
HP 540 Inkjet	$275.00
HP 560C Color Inkjet	$489.00
HP 4L 4ppm 300dpi	$499.00
HP 5P **6ppm 600dpi**	$920.00
HP 4+ **12ppm 600dpi**	$1358.00
HP 4V **16ppm 600dpi**	$Call

Floppy Drives

1.2MB Floppy Drive	$38.00
1.44MB Floppy Drive	$29.00

Store Hours
Mon.-Sat. 10A.M.-7P.M.
Headquarter Hrs: Mon - Sat 10AM - 6PM

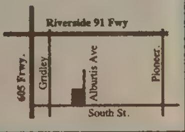
VISA DISCOVER MasterCard

Technical Support:
(714) 447 - 0123

Headquarters
521 S. College Blvd.
Fullerton, Ca. 92631
Ph: (714) 447-3955
Fx: (714) 447-3945

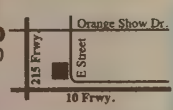
Cerritos

Cerritos
11651 E. South St.
Tel. (310) 809-6828
Fax (310) 809-6238



San Bernardino

San Bernardino
1480 South E Street #10
Tel. (909) 884-1717
Fax (909) 884-6869

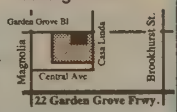


Grand Opening

G. G. Branch

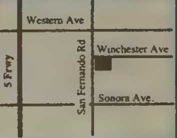
Garden Grove
9240 Garden Grove Bl., ste 14
Tel. (714) 534-2530
Fax (714) 534-5229

Arirang Plaza



Glendale Branch

Glendale
6524 San Fernando Rd.
Tel. (818) 265-1234
Fax (818) 551-6414



Open Sundays

EZ COMPUTER international

Please Call For Franchise Information

EZ COMPUTER international

* On approved credit (O.A.C.) All prices reflect cash discounts/ Not responsible for typographical errors/ Prices subject to change without notice.

Realizable Fantasies *continued...*

Playboy Channel, fully scrambled XX and XXX telecommunicated videos, or digitized images of completely legal art and gallery photos.

Academic, psychological, and law-enforcement discussions of pornography, rape, sexual dysfunction, and any other sex-related issues—if conducted online—may cost $100,000 and two years. Dr. Ruth better stay offline, and no *National Geographic* online.

And then there are public court records: Transcripts of prosecutions under this statute must obviously be prohibited online, since—if the prosecution is to be successful—the transcripts *must* present material that is **"obscene, lewd, lascivious, filthy, or indecent."**

Bottom line: ***Freedom of expression that is protected in its voice and print forms, is to be controlled by government censors when aided by electronics.***

The so-called family-oriented Republicans, zealously supported by numerous Democrats such as our own Senator Dianne Feinstein, want to make damned sure that families are prohibited from exercising discretion or control over what their children see or hear.

Where sex is concerned, only the government knows best.

No Chance For You To Violate The Law

Just in case you decide that you want to express yourself online in terms that Exon and his ilk might find annoying, Sen. Trent Lott (R-MS) is planning an amendment to make Internet service providers liable for all Internet content.

I mean, after all, who needs tax-paid Thought Police for massive surveillance, eavesdropping, and patrolling, when you can threaten prosecution and fines to terrify communications providers into suppressing all possible content of all communications that might offend or annoy someone, somewhere?

And note that the whole push of the lobbyist-purchased Telecom Dereg Act (S.652)—that should more accurately be titled the Telecom Cartel and Monopoly Support Act—is to functionally guarantee that most control of content and conduit is in the hands of a few giant corporate communications cartels.

Then, it will be *so* much easier to force them to establish universal censorship service.

Honest! *There is an explicit exemption granted if it's commercial sex for adults.*

Since 1985 QUALITY SERVICE BEST PRICES Since 1985

BEST PRICES in TOWN!!!
We Will BEAT any Advertised Price!

486DX4-100MHz
$895

[illegible]

486 50
4MB RAM
200HD
$949
FREE CASE

486 DX2 50 MHz
Color Screen
NOTEBOOK
4MB RAM
340MB HD
Dual Scan
Color Screen
Built in Trackball
FREE CASE!
$1469

IBM ThinkPad
NOTEBOOK
486
4MB RAM
252MBHD
$1199

Aero 486/25
NOTEBOOK COMPAQ
- 4MB RAM
- 175MB HardDrive
- Built-in TrackBall
- Lots of Software
$995

INTEL PENTIUM-90MHz PCI
- Pentium 90MHz CPU/CPU Fan
- 8MB RAM
- 540MB HD
- 1.2 or 1.44 FDD
- PCI IDE Controller (2S, 1P, 1G)
- PCI SVGA Accelerator 1 MB Card
- 14" High Res SVGA .28 NI Monitor
- 101 Keyboard & Mouse

$1369
THAT'S RIGHT!

486-33MHz
- 4MB RAM 255MB HD
- 1.2 or 1.44 FDD
- SVGA Video Card
- AT I/O & IDE (2S, 1P, 1G)
- 101 Enhanced Keyboard
- Mini Tower Case & P.S.
- SVGA 14" Monitor 1024x768, .28 NI

$699!

SPECIAL PRICE ON MEMORY UPGRADES FOR ALL SYSTEMS & ACCESSORIES

TOSHIBA NOTEBOOKS
T-1910 mono $1129
CALL FOR SUPER SPECIALS ON ALL NOTEBOOK MODELS
CALL FOR BEST PRICE ON OTHER TOSHIBA EQUIP.
T-2105 4/250 $1299
T-1960CS $1549
T-2115CS 4/350 $2449
T-2400CS 4/250 $1679
T-2150CDS $2649
T-2400CT 8/320 $2199
T-4800CT 8-500 $2749
T-2105CS $1749
T-4900 CALL

Apple Macintosh Blowout

POWERBOOKS
IN STOCK NOW! CALL!!
145 $879
150 4/120 $979
520 4/160 $1545
520C $1739
540C $2849

POWER PC
6100/66/500 .... $1599
7100/80 8/500 .... $2369
7100/80AV 16/700CD... $3389
8100/100AV 16/1GigCD $4199
8100/100 16 2GigCD... $4649
9500/132 .... CALL

PRINTERS
StyleWriter II.......$199
DeskWriter.......$229
Laser 300.......$549
Laser 320.......$799
Laser 360.......$989
CALL FOR OTHER MODELS MEMORY UPGRADES & FAX AVAILABLE

PERFORMAS
475 4/160.......$799
W/Software, Monitor, & Keyboard......$799
6/15 CD.......$1699
We Will Beat any Advertised Power PC & Performa Price!

HP PRODUCTS
DESKJET 540/560 .$229/CALL
DESKJET 660C $469
Laser Jet 5P $839
Laser Jet 4MP/4+ . .Call/$1349

COMPUTER REPAIR
LOWEST PRICES!
FAST, EXPERT TROUBLE-SHOOTING BY OUR VERY EXPERIENCED ENGINEER.
-UPGRADES-
-DATA RECOVERY-
WE REPAIR ALL MAKES AT THE LOWEST PRICE! (Including Macintosh, IBM Compatibles, ALL Laser Printers)
WE WILL SOLVE THE PROBLEM.
SYSTEMS & MONITORS REPAIRED
LASER PRINTER REPAIR!
213 655-9666
310 659-8202
MON-SAT

University, Government & Corporate P.O.'s Welcome
BMI COMPUTER INC.
611 N. La Cienega Blvd., Los Angeles, CA 90069 (1/4 Block North of Melrose)
(310) 659-8202 (213) 655-9666
Since 1985 Fax (310) 659-3803 • FREE PARKING IN REAR Since 1985
Prices subject to change without notice and reflect a cash discount

Earth and your health were the most important concerns our engineers had when making MGC monitors. This 17- inch, state-of-the-art, high resolution monitor delivers clear, rich images at an affordable cost for desktop publishers, as well as for today's demanding business and game applications. It has a power management system which complies with EPA Energy Star and VESA Display Power Management Signaling (DPMS) guidelines. This monitor also complies with the Swedish MPRII (low radiation) for better eye protection.

energy

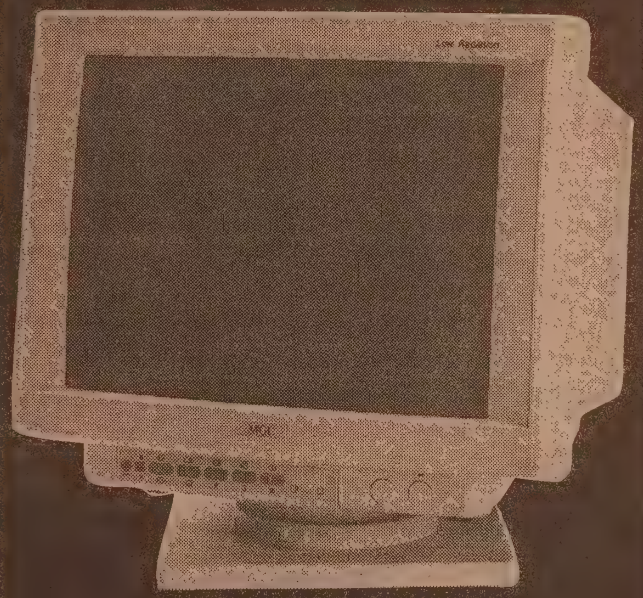
EPA POLLUTION PREVENTER®

This 17-inch monitor has advanced features and roomy displays. You get premium graphics with a fine 0.26mm dot pitch and a non-interlaced maximum resolution of 1280 x 1024. The screen is also non-glare and anti-static. So you are able to enjoy a larger and sharper picture with minimum eye fatigue!

ISO-9000 Certified

MGC®

With the Most Intelligent Graphic Mode Control



MGC-1765VAF 17"

dot pitch	resolution	vertical sync.	horizontal sync
0.26mm	1280 x 1024	50-100Hz	30-65KHz

TWO YEARS
PARTS & LABOR
WARRANTY

How many times have you tried to adjust your screen in order to see the whole picture and later on you have to do it again for different programs? The 17-inch monitor is equipped with 21 programmable modes for different settings. There are 12 factory presets and 9 custom defined programmable modes. The monitor will detect the setting for the programs you want to run, and save you time and frustration in the future from constant screen adjustments.

2 YEARS PARTS & LABOR WARRANTY

With the flat screen tube design, light reflection disturbances and other distortions common in regular monitors, are eliminated to provide a sharper and more comfortable image.

MPR-II (low radiation)

MGC is committed to bringing you the highest quality monitors with the most affordable prices you will find in this vast market. So, call a local distributor for more information on 14-, 15- and 17-inch monitors.

Realizable Fantasies *continued...*

Surveillance and prosecution will be made even easier because the first hundred million dollars was about to be appropriated in mid-June—of the $500,000,000.00 authorized last year for the required National Wiretap System—to make it more comfy and convenient for federal, state, and local cops, deputies, constables, clerks, and secretaries to wiretap anywhere, anytime, even though there are less than eleven hundred court-authorized wiretaps per year, nationally.

They'll have to find *something* to prosecute to show that half a billion dollars wasn't an outrageous waste. What better than some media-grabbing censorship cases?!

The Censors' Bandwagon

Media-seeking senators *love* sex:

- Fresh from his gleeful attack on Hollywood sex, Sen. Bob Dole (R-KS)—plus Coats (R-IN), Grassley (R-IA), McConnell (R-KY), Shelby (R-AL), and Nickles (R-OK)—have introduced the "1995 Protection of Children from Computer Pornography Act" (S.892).

Entirely ignoring the manner in which Internet files and forums are anonymously shared, globally, and the fact that Internet service providers have absolutely no way to identify whether a user somewhere on the Internet is an adult or a minor, S.892 will make carriers liable for shielding everyone under 18 from any, "Utterance of indecent or profane language by radio communication; transmission to minor of indecent material from remote computer facility, electronic communications service, or electronic bulletin board service."

> California's Senator
> *Di Feinstein also wants to censor all chemistry, agricultural, mining, and construction information on the Net that could be used to facilitate bomb-making. Mad bombers will have to use the printed instructions that are much easier to obtain anyway.*

Dole et al., have obviously concluded that government must replace parental oversight.

- At press time, Sen. Dan Coats (R-IN) was about to introduce the "Internet Pornography" bill that, "Would rid society of the problem of pornography on the Internet."

Lest the Republicrats in the Senate get all the credit for pandering to the zealots who are eager to police others' thoughts, Rep. Tim Johnson (D-SD) introduced companion legislation in the House, HR1004.

- California's Senator Di Feinstein also wants to censor all chemistry, agricultural, mining, and construction information on the Net that could be used to facilitate bomb-making.

continued on page 46

SOFTWARE ELECTRONICS
1-800-634-6388 (Orders Only Please)
All software in this ad. is priced for *Academic discount.
*To purchase Academic products, you must fax or mail a student or faculty ID from any educational institution. Academic products are functionally identical to the regular products, the only difference is the PRICE!

Microsoft Office Professional 4.3 for Windows
Windows..... $199*
MAC v.4.2........... $199*
(3.5" Disk Only)
Microsoft Office includes: MS Word (Wordprocessor), MS Excel (Spreadsheet), MS Access (Database), MS Power Point (Presentation) & MS Mail (Network E-Mail).

MS Windows NT 3.51
32-bit high performance operating system
Work Station (CD).......... $145*
Server (CD) Ver. 3.51....... $420*

Borland Delphi for Win (CD) $110*

Adobe Illustrator
Now there's a powerful, professional design tool for the PC. Adobe Illustrator gives you precise illustration and single-page design capabilities in one complete package
Version 4.0 for Windows...$189*

MS Visual C++
You can edit, build, browse, & debug apps. with the new integrated design. Includes OLE 2.0 & MS Foundation Class Libs.
Win Std........(3.5" Disk) $89*
NT v2.0........(CD-ROM) $135*

Turbo C++ for Windows (CD) $79*

Autodesk 3D Studio Release 2
Professional 3D Modeling & Animation Software
Ver 2.0 $170*

MS Visual Basic for Windows
Built in data base access to dBase, FoxPro, Paradox, Access. Includes tutorials & samples. OLE 2.0 Automation
Standard 3.0 .... $89*
Professional 3.0 .... $139*
(3.5" Disk)

- Norton Utilities 8.0 for Dos & Windows (3.5") ..$89*
- Norton Backup for Windows (3.5") $89*
- Norton PC Anywhere for DOS or WIN (3.5")...$89*

Add $10 per item for handling and UPS ground shipping direct to your door.
HOW TO ORDER - Please have the following information ready before ordering; shipping address, credit card number, expiration date & fax or mail your ID.

Adobe Photoshop 3.0
Whether you are working with photography, video illustration or graphic design, Photoshop gives you control of virtually every aspect of the image-making process.
For Windows (3.5").... $289*

Aldus PageMaker 5.0
PageMaker's intuitive features and interactive controls let you manage every phase of a desktop publishing project.
For Windows (3.5")..... $199*

Borland C++ Ver. 4.5
Fast C/C++ compiler for DOS, 16 & 32-bit Windows. AppExpert & Object Components Framework with OLE 2.0. ObjectWindows Library 2.5. Optimize 32-bit compiler for DOS & Windows Applications & Examples.
NEW!
CD......................... $129*
Disk 3.5"................... $159*

1-800-634-6388
Software Electronics Orders Only Line
School P.O. Welcome, Call (503) 690-1946
For questions or other products, call:
503-690-1946
VISA DISCOVER
No surcharge on VISA/MC/Discover
Prices & Availability subject to change without notice.
Prices good through August 31, 1995 - 070395

SOFTWARE ELECTRONICS
1235 NW 185TH AVE - ALOHA, OR 97006
Information: 503-690-1946 FAX: 503-531-0442
M-F 9:30-6PM
SAT 11-5PM

FUTURE COMPUTING SOLUTIONS INCORPORATED

HEWLETT PACKARD *Authorized Dealer* · TEXAS INSTRUMENTS · In Touch with Tomorrow TOSHIBA · NEC · IBM · COMPAQ · ZENITH DATA SYSTEMS

"THE MOBILE COMPUTING EXPERTS"

T400CDT/T400CS 8/810 $4698/$3898

The Next Generation in NoteBook Computing NEW

- Built-in CD-ROM Drive & AC adapter
- 16-Bit SoundBlaster, MIDI and WAV compatible
- 1 Type II or Type III PCMCIA slot

T2150

Processor	Screen	Hard Drive	Price
486DX4/75	10.4" Dual Scan	500MB	$2988
486DX4/75	10.4" Active	500MB	$3698

T4900 *Your dream Machine*

75 MHz Pentium

$4798

- 10.4" active matrix color display
- 772MB HD, 8MB/40MB
- 1 Type II & Type III PCMCIA slot
- Microsoft Sound System, built-in microphone audio out port

T4700, T4800, T4850

Sight, Sound & processing Power

- Brilliant color display with local bus video
- 1 Type II or Type III PCMCIA slot
- Microsoft Sound System, built-in microphone audio out port

Model	Processor	Screen	Hard Drive	Price
T4700	486DX2/50	9.5" Dual Scan	200MB	$2698
T4700	486DX2/50	9.5" Dual Scan	320MB	2798
T4800	486DX4/75	9.5" Active	500MB	3098
T4850	486DX4/75	10.4" Active	500MB	3248
T4850	486DX4/75	10.4" Active	772MB	3448

Portege T610/T3600/T3400

Award-Winning Subnote

- Ultra-portability at only 4.4 lbs
- 8MB RAM Expandable to 24MB
- PCMCIA Type II slot
- Intergrated Accupoint Pointing device

Processor	Screen	Hard Drive	Price
Pentium 90	9.5"Active	720MB	$4448
486DX2/50	8.4" Active	500MB	3198
486SX/33	7.8" Active	120MB	1698

Satellite NoteBooks & Satellite Pro Series

Preformance at an Outstanding Price

- Built-in AC adapter (T2100 series)
- 1 Type II or Type III PCMCIA slot (T2400 series)
- 2 Type II and Type III PCMCIA slot (T2100 series)
- 82-key key
- Accupoint pointing device

Model	Processor	Screen	Hard Drive	Price
T2100	486DX2/50	9.5" Mono	250MB	$1428
T2110	486DX4/75	10.4"Dual Scan	350MB	2198
T2130	486DX4/75	10.4" Active	500MB	2998
Pro Series				
T2400	486DX2/50	9.5" Dual Scan	250MB	2048
T2400	486DX2/50	9.5" Dual Scan	320MB	2148
T2400	486DX2/50	8.4" Active	250MB	2548
T2400	486DX2/50	8.4" Active	320MB	2698
T2450CT	486DX4/75	9.5" Active	320MB	3098
T2450CT	486DX4/75	9.5" Active	500MB	3198

AST "You Can't Beat Its Value"

AUTHORIZED DEALER

AST Ascentia 910N

- 10.4" Active & 10.3" Dual Scan Displays
- NEW! Lithium Ion Battery for extra long life
- PanVision graphic for up to 1024x768 resolution
- 2 Type II or 1 Type III PCMCIA slot

Model	Screen	Hard Drive	Price
486DX2/50	10.3" Dual Scan	340MB	$2398
486DX4/75	10.3" Dual Scan	510MB	[illegible]
486DX4/75	10.4" Avlive	510MB	3548
486DX4/75	10.4" Avlive	700MB	3798

AST Ascentia 810N

- LARGE 10.4" Dual Scan Displays
- 4MB RAM expandable to 20MB
- Removable HD and Floppy Drive
- 2 Type II or 1 Type III PCMCIA slot

Processor	Screen	Hard Drive	Price
486DX2/66	10.4" Dual Scan	250MB	$1888
486DX2/66	10.4" Dual Scan	340MB	2020
486DX2/66	10.4" Dual Scan	510MB	2148

TOSHIBA FACTORY REFURBISHED & DISCONTINUED MACHINES

T3400CT/250	$ CALL	T3600CT/250	$ CALL	T1960CS/200	$ CALL
T1960CS/320	$ CALL	T1910 /200	$ 1098	T1910CS/200	$ 1398
T4800CT/500	$ 2798	T4900CT/800	$ 4798	T1950CS/200	$ 1798
T1950CT/200	$ 1998	T4600CT/200	$ 2298	T4600CT/320	$ 2398
T6400SXC/120	$ CALL	T6400DX2C/200	$ CALL	T6400MMC/200	$ CALL

NEC

Versa P - Lowest Priced Pentium

HEWLETT PACKARD *Authorized Dealer*

Hewlett-Packard Quality DeskJet/LaserJet Printers & NoteBooks

Cash In & Trade Up

HP OmniBook NoteBook PCs 4000 Series

Desktop to-go-PCs

Processor	Screen	Hard Drive	Price
486DX2/50	10.3" Dual Scan	260MB	$2298
486DX2/50	10.3" Dual Scan	340MB	2448
486DX2/50	10.3" Dual Scan	520MB	2798
486DX2/50	10.4" Active	340MB	2648
486DX2/50	10.4" Active	520MB	2848
486DX4/100	10.3" Dual Scan	340MB	2878
486DX4/100	10.3" Dual Scan	520MB	3098
486DX4/100	10.4" Active	340MB	3278
486DX4/100	10.4" Active	520MB	3478

HP OmniBook NoteBook PCs 600 Series

Lightweight with Performance

Processor	Screen	Hard Drive	Price
486DX2/50	8.5" Dual Scan	170MB	$2298
486DX2/50	8.5" Dual Scan	260MB	2448
486DX4/75	8.5" Dual Scan	170MB	2748
486DX4/75	8.5" Dual Scan	260MB	2928

HP LaserJet Printers

HP LaserJet 4L	$ 498.00
HP LaserJet 5P	848.00
HP LaserJet 5MP	998.00

HP Scanners

HP ScanJet3C, Color	$ 948.00
HP ScanJet3P, Greyscale	488.00
HPDeskJet 1200C	$998.00

HP InkJet Printers

HP DeskJet 320	$ 298.00
HP DeskJet 320 W/Sheet Feeder	358.00
HP DeskJet 540	228.00
HP DeskJet 660C	478.00
HP DeskJet 1200C	998.00
HP DeskWriter 320	288.00
HP DeskWriter 320 W/Sheet Feeder	358.00
HP DeskWriter 540	288.00
HP DeskWriter 660C	478.00
HP DeskJet 1200C/PS	1588.00
HP OfficeJet	688.00
HP Fax 700	578.00

Texas Instruments

Pentium Power With PCI Bus

TravelMate 5000

- PCI bus Architecture to optimize Pentium processor performance
- 2MB Video RAM
- 16-Bit Sound, speaker, microphone & MIDI

Processor	Screen	Hard Drive	Price
Pentium 74MHz	10.5" Dual Scan	500MB	$3848
Pentium 75MHz	10.4" Active	772MB	$4598

TravelMate 4000M

- Brilliant color display
- 2Type II of 1 Type III PCMCIA slots
- 16-Bit Sound card

Processor	Screen	Hard Drive	Price
486DX2/50	9.5" Dual Scan	340MB	$1998
486DX2/50	8.4" Active	455MB	2198
486DX4/75	9.5" Dual Scan	455MB	2198
486DX4/75	8.4" Active	340MB	2198
486DX4/75	8.4" Active	455MB	2448
486DX4/100	9.5" Active	525MB	3248

Versa P NEC

Lowest Priced Pentium NoteBook

- 2 Type II or 1 Type III PCMCIA slot
- Removeable HD, Floppy, & Screen
- Integrated speaker & microphone

Processor	Screen	Hard Drive	Price
Pentium 75	9.5" Active	340MB	$3998
Pentium 75	9.5" Active	540MB	4298
Pentium 75	9.5" High Res.	540MB	4448
Pentium 75	9.5" Active	540MB	4298
Pentium 75	9.5" High Res.	810MB	4798

Versa M

Highest Resolution & True Color Display

- 2 Type II or 1 Type III PCMCIA slot
- Removable HD, Floppy, & Screen
- Integrated speaker & microphone

Processor	creen	Hard Drive	Price
486DX4/75	9.5" Dual Scan	340MB	$2298
486DX4/75	9.5" Active	540MB	2998
486DX4/75	9.5" High Res.	540MB	3198
486DX4/100	9.5" True Color	540MB	3398
486DX4/100	9.5" Active	810MB	3998
486DX4/100	9.5" /High Res.	810MB	4248

NEC Versa V "V" for Value

Processor	Std/Max RAM	Screen	Hard Drive	Price
486DX2/50	4MB/20MB	9.5" Dual Scan	250MB	$2198
486DX2/50	4MB/20MB	9.5" Dual Scan	340MB	2348
486DX2/50	4MB/20MB	9.5" Active	250MB	2348
486DX2/50	4MB/20MB	9.5" Active	340MB	2548
486DX2/50	4MB/20MB	9.5" Active	540MB	2848
486DX4/75	4MB/20MB	9.5" Active	340MB	2748
486DX4/75	4MB/20MB	9.5" Active	540MB	3048

LEXMARK. The Optra Family

Presenting a new generation of LaserPrinters from affordable, networkable models to Ethernet ready, high performance workhorses with unparalleled 1200 dpi quality.

- **4039 10plus** - Low-priced, networkable, desktop printer with world class 600dpi print quality
- **Optra R** - Most affordable, high performance, fully networkable, desktop printer
- **Optra Rx** - Highest perofrmance, networkable, desktop printer for high speed, complex jobs
- **Optra L** - Low priced LAN printer offering heavy duty design and high volume paper capacity
- **Optra Lx** - High performance LAN printer for the most demanding needs of network users. offers heavy duty design and high volume paper capacity
- **Optra Lxi** - Ethernet ready version of the Optra Lx with highest paper capacity

4039 10plus 600 dpi, 10ppm, 2MB max10MB, PSL2 e PCL5, 87 fonts 403910 $ 1248

Optra R 12ppm @ 600 dpi, 2MB max 64MB, PSL2 e PCL5, 87 fonts 404912 $ 1448

Optra RX 16ppm @ 600 dpi, 4MB max 64MB, PSL2 e PCL5, 87 fonts 404916R $1998

Optra L 12ppm @ 600 dpi, 4MB max 64MB, PSL2 e PCL5, 87 fonts 404912L $1898

Optra Lx 16ppm @ 600 dpi, 4MB max 64MB, PSL2 e PCL5, 87 fonts 404916L $2448

Optra Lxi 16ppm @ 600 dpi, 4MB max 64MB, PSL2 e PCL5, 87 fonts 404916E $2998

ZENITH DATA SYSTEMS Data Systems Z-PLAYER

The best portable sound/CD solution

Product Highlights

Integrated CD-ROM, Sound, and Speaker System. Upgrade any notebook with full multimedia capabilities in one easy step.

PCMCIA Type II interface. Compatible with most notebook computers on the market today. Plug it into any PCMCIA Type II slot and add full multimedia to your notebook.

Portable. Take your multimedia solution from computer to computer. It weighs just 2 lbs.

Double-speed CD-ROM drive. Maximize performance of any CD-ROM title with smooth animation sequences and fast text retrieval.

$468

SPEC CHECK ✓

CD ROM Drive/Access/Transfer
300KB/sec transfer rate, 320ms access time

INTERFACE
Direct connection through PCMCIA Type II slot (included in price)

POWER
Operates with AC adapter, optional rechargeable NiCad battery or 6 AA batteries

ADDITIONAL FEATURES
LCD status display indicates state of operation for audio and data CDs

HEADPHONE/MICROPHONE
Headphone optional/ built-in microphone

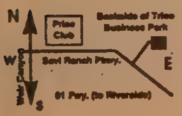
WEIGHT
Only 2 lbs.

SOUND
16-bit stereo sound, Stereo in and out jacks

SPEAKERS
2 stereo speakers

Desktop interface now available.

BEFORE YOU BUY TI · AST · IBM · COMPAQ · NEC · PACKARD BELL · TOSHIBA · HP **SHOP AND COMPARE**



Future Computing Solutions Inc.

22835 Savi Ranch Pkwy., Ste. C, Yorba Linda, CA 92687
Tel: 714/282-9100 · Fax: 714/282-9400

Mon.-Fri. 8-5
Closed Sat.-Sun

Advertised Prices Reflect 3% Cash Discount.
Corporate & Aerospace Purchase Orders accepted.
Prices & Availability subject to change without notice.
Additional discounts to qualified faculty & research staff.
FCS is not responsible for any typographical errors.

486 Soundbook

4 MB,340 MB	9.5" Mono 64 grey	Dual Scan 10.3" Color	Active TFT 9.5" Color
486DX2-66	$1360	$1770	$2310
486DX4-100	$1440	$1850	$2390

Pentium Soundbook

8 MB,340 MB	Dual Scan 10.3" Color	Active TFT 10.2" Color
Pentium-75	$2160	$2830
Pentium-90	$2260	$2930
Pentium-100	$2360	$3030

* Intel CPU
* **128K cache (486)**
* **256K cache (Pentium)**
* Max.36 MB RAM
* 1.44 MB floppy drive
* **PCMCIA Type 4 slot**
* **Removable hard drive**
* **16-bit sound card, speaker and microphone**
* 32-bit graphic accelerator
* 1 MB video memory
* Big 25mm trackball
* **2 NiMH battery w/hot swap**
* 1 16550 serial port (486)
* 2 16550 serial port (Pentium)
* AC adapter & carrying bag

Multimedia Superbook

* Intel CPU
* **Up to 1 MB Cache**
* **RAM upgradable to 64 MB**
* 1.44 MB floppy drive
* **PCMCIA Type 3 slot**
* **Removable hard drive**
* Up to 810 MB disk space
* **16-bit sound card, speaker and microphone**
* 32-bit graphic accelerator
* 1 MB video memory
* **Track ponit device**
* 2 16550 Serial, parallel, KB monitor, docking station con.
* Rechargeable NiMH battery
* AC adapter & carrying bag

Built-in 2X CD-ROM Drive

4 MB,340 MB	Dual Scan 10.3" Color	Active TFT 9.5" Color
486DX2-66	$2080	$2605
486DX4-100	$2159	$2684

486 Audiobook

4 MB,340 MB	9.5" Mono 32 grey	Dual Scan 10.3" Color	Active TFT 9.5" Color
486DX2-66	$1259	$1687	$2281
486DX4-100	$1348	$1766	$2360

Pentium Audiobook

8 MB,340 MB	Dual Scan 10.4" Color	Active TFT 10.4" Color
Pentium-75	$2410	$3445
Pentium-90	$2510	$3545

* Intel CPU
* **RAM up to 20 MB (486)**
* **RAM up to 40 MB (Pentium)**
* 1.44 MB floppy drive
* **PCMCIA Type 3 slot**
* **Built-in sound card, speaker and microphone**
* 32-bit graphic accelerator
* 1 MB video memory
* Built-in 16mm trackball
* LCD status display
* Advanced power managemnt
* Serial, parallel, kb, monitor, and docking station connector
* Rechargable NiMH battery
* AC adapter & carrying bag
* Mo[illegible] sound feature

486 2X Multimedia

486DX4-100	$1179
486DX2-66	$1149

☑ Intel pentium-overdrive ready
☑ CPU cooling fan w/heatsink
☑ 256K cache
☑ **8 MB RAM (128MB max.)**
☑ 1.44 MB floppy drive
☑ **540 MB hard drive**
☑ 32-bit Enchanced IDE HD controller
☑ 32-bit SVGA graphic accelerator w/1 MB
☑ **14" SVGA NI green monitor, .28dp**
☑ 2 serial, parallel, & game ports
☑ Enchanced 101 keyboard
☑ Mini tower case w/230W
☑ Microsoft compatible mouse
☑ **16-bit Sound blaster compatible card**
☑ **Double speed (2X) CD-ROM drive**
☑ **40W power speakers**

Pentium 4X Multimedia

NEW

Pentium-133	$2469
Pentium-120	$2229
Pentium-100	$1879
Pentium-90	$1779
Pentium-75	$1679

☑ CPU cooling fan w/heatsink
☑ 256K cache
☑ **8 MB RAM (128MB max.)**
☑ 1.44 MB floppy drive
☑ **850 MB hard drive**
☑ PCI Enchanced IDE HD controller
☑ **ATI Mach 64 or Stealth 64 w/2 MB** Cool
☑ **15" 1280 X 1024 NI monitor, .28dp**
☑ **Flat screen, Digital control, Low radiation**
☑ 2 serial, parallel, & game ports
☑ Enchanced 101 keyboard
☑ Medium tower case w/230W
☑ Microsoft compatible mouse
☑ **Sound Blaster 16**
☑ **Quad speed (4X) CD-ROM drive**
☑ **140W Hi-Fi power speakers**

Pentium SCSI 4X Multimedia

NEW

Pentium-133	$3549
Pentium-120	$3289
Pentium-100	$2939
Pentium-90	$2839
Pentium-75	$2739

☑ CPU cooling fan w/heatsink
☑ 256K cache
☑ **16 MB RAM (128MB max.)** Cool
☑ 1.44 MB floppy drive
☑ **1.0 GB SCSI-2 hard drive**
☑ **Adaptec 2940 PCI SCSI-2 controller** Cool
☑ **ATI Mach 64 or Stealth 64 w/2 MB**
☑ **MAG 17" 1280 X 1024 NI monitor, .26dp**
☑ **Digital control, Low radiation (3 yr warranty)**
☑ 2 serial, parallel, & game ports
☑ Enchanced 101 keyboard
☑ Medium tower case w/230W
☑ Microsoft compatible mouse
☑ **Sound Blaster 16**
☑ **Quad speed SCSI-2 CD-ROM drive** Cool
☑ **160W Hi-Fi power speakers w/ DSP**

Portable 2X or 4X IDE CD-ROM Case plug into parallel port (Free carrying bag) NEW

$128

Portable IDE HDD Case plug into parallel port (Free carrying bag)

$119

486 VESA

486DX4-100	$899
486DX2-66	$869

☑ INTEL pentium-overdrive ready
☑ CPU cooling fan w/heatsink
☑ 256K cache
☑ 4 MB RAM (128MB max.)
☑ 1.44 MB floppy drive
☑ 540 MB hard drive
☑ 32-bit IDE HD controller
☑ 32-bit SVGA graphic accelerator w/1 MB
☑ 14" SVGA NI green monitor, .28dp
☑ 2 serial, parallel, & game ports
☑ Enchanced 101 keyboard
☑ Mini tower case w/230W

Pentium PCI

Pentium-133	$1999
Pentium-120	$1759
Pentium-100	$1409
Pentium-90	$1309
Pentium-75	$1209

☑ CPU cooling fan w/heatsink
☑ 256K cache
☑ **8 MB RAM (128MB max.)**
☑ 1.44 MB floppy drive
☑ **540 MB hard drive**
☑ PCI Enchanced IDE HD controller
☑ FAST PCI graphic accelerator w/1 MB
☑ 14" 1024 X 768 NI monitor, .28dp
☑ 2 serial, parallel, & game ports
☑ Enchanced 101 keyboard
☑ Medium tower case w/230W
☑ Microsoft compatible mouse

Upgrade

* DOS 6.22 & Windows 3.1	$95
* DOS 6.22 & Windows workgroup 3.11	$105
* Microsoft ENCARTA 95', Works etc.	$75
* Encyclopedia 95, Atlas etc. (14 titles)	$45
* Regular mouse to Microsoft mouse v2.0	$25
* 4 to 8 MB	$160
* 8 to 16 MB	$285
* 16 to 32 MB	$500
* 540 to 850 MB HD	$70
* 850 to 1.2 GB HD	$90
* 850 to 1.0 GB SCSI-2 HD	$235
* 850 to 1.0 GB SCSI-3 HD	$325
* PCI IDE to 2940 PCI SCSI-2	$200
* PCI IDE to 2940W PCI SCSI-3	$270
* 14" to 15" Digital monitor	$125
* " 15" to 17" Digital .26dp monitor	$325
* " 17" to 21" Viewsonic PS .25dp	$1100
* 2X to 4X CD-ROM drive	$90
* 4X to 4X SCSI-2 CD-ROM drive	$120
* 14.4K FAX/Modem	$59
* 14.4K FAX/Modem w/VOICE	$79
* 28.8K Fax/Modem	$139

TCC

1154 E. Colorado Blvd.
Pasadena, CA 91106
(between Lake & Hill Ave.)
(818) 795-6112
Fax: (818) 795-6320

M - F 9 - 6:30
SAT 10 - 5
Summer
July & August
Monday Closed

Your PC expert

VISA MasterCard DISCOVER

Prices reflect 3% cash discount

Terms & Condition

One year parts & two year labor warranty

30 Days Money Back Guarantee
with 15% restocking fee

Prices & specifications subject to change without notice.
Not responsible for typographical errors

Letters

Clones Vs. Name Brands: Another View

While I agreed in general with your article, "Brand Name Systems vs. Clones," (Networking, Issue #137) I thought you missed a couple of key points.

The major advantage cited in favor of name brands was nationwide commitment to on-site service. The catch there is that you may be locked into having to use the name brand's service organization, whether or not you are satisfied with their service. Given their sole source position with proprietary parts, they may charge steep prices and lack responsiveness, because they know you're stuck with them.

Worse yet, if they go out of business or at least out of the PC business (both of which are not unlikely, even for an IBM, to say nothing of Dell, DEC, AST, Compaq, Packard-Bell, and so forth), you could end up with a whole network of orphaned computers.

On the other hand, as you pointed out, clones are built with off-the-shelf parts. There are hundreds of independent service organizations who are eager to compete to be allowed to provide on-site service for your standard (i.e. clone) computers. Such providers include everything from major global corporations to local "starving student" operations, with someone to fit every situation. If you don't like the service you get from your independent operator, hire someone else.

Those independent service companies would probably also offer to service your proprietary name brand equipment, but getting parts can be a problem. Even if the manufacturer is willing to provide parts to a third-party servicer, at some point, any proprietary parts will cease to be available at any cost. Likewise, drivers to make custom components talk to new peripherals may not be available.

Then there is the "voiding the warranty" issue if anyone besides the manufacturer opens the case. The warranty is probably not worth the time to worry about with a clone. If a part quits, just replace it.

The other rationale often used by LAN managers (who often seem to be converted IBM mainframe people) is that by sticking with a single manufacturer you can standardize your setup and simplify all sorts of installation and maintenance problems. The trouble is, they keep coming out with new models and dropping the old ones (remember PS/2?) which means you can never maintain a LAN full of identical computers. The best you can do is buy standardized clones, which minimizes the differences.

I have an old computer out in my garage made with custom components by a company which quit supporting it. It is junk. On the other hand, I have a clone computer in the house which has had every component except the case and power supply upgraded one by one over a period of years. That computer is still in service. Which would I rather have on my network? Without question, the clone.

- John R. MacDougall
La Crescenta

Doug Responds

In Issue #137, reader Gary Kovacs took issue with Amiga columnist Doug Nakakihara's comments about Windows. Here is Doug's response.

Thank you for your letter regarding my recent column on Amiga users switching to the PC. I thank you because I appreciate any feedback, and because your statements illustrate the exact fallacy I was trying to get my readers to avoid believing.

Recall that I was talking about running Windows NT and LightWave 3D on a PC. Amiga users contemplating this are often professionals who earn money with their machines. Personally I use two 40MHz 68040 Amigas with 100MB of RAM between them.

Are you suggesting I do my videographics work on a Pentium with 16MB of RAM? I could no more do my work on such a machine than I could do desktop publishing with Notepad.

The real cost is $2495 (your figure) plus more RAM, larger monitor, SCSI II controller, Windows NT, PC LightWave, Photoshop, etc. The $6000 I estimated was the amount of money someone like me would have to pay to switch platforms, and that would only cover the basics. The cost is significant.

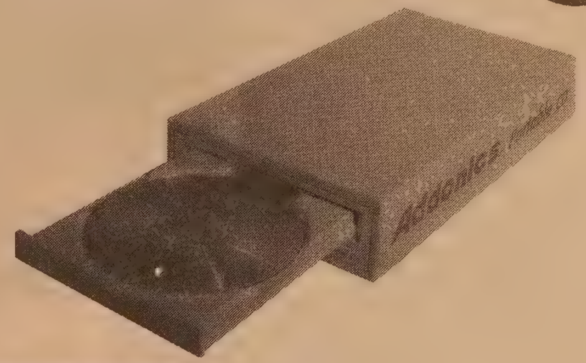
That said, my wimpy 486SX33 laptop suggestion was a cheap stopgap solution to gain portable access to PC business tools and software. (Did you think I was going to do videographics with it?) I realize that PCs are faster, cheaper, and better supported. I plan to get a real one when it makes good business sense. (Hopefully, by then, the PC's OS, bus, and CPU standards issues will be settled.)

Despite your statement to the contrary, Motorola has promised '060s in quantity this summer. NoahJi's will be releasing an Amiga-compatible with a DEC Alpha coprocessor. Furthermore, the new Amiga technology owner, Escom, has indicated that it plans to move the AmigaOS to the PowerPC.

There seems to be some future for the Amiga. So for now, I'll continue to impress clients and earn lots of money with my Amiga graphics.

Douglas J. Nakakihara
Electrical Language
Simi Valley, CA

Addonics® Portable CD
Use it in office, home, school or anywhere you go
- Connects to parallel/printer port
- Pass-through printer port
- Supports DOS, Windows and OS/2
- Audio output and headphones jack
- Integrated auto-sensing power supply 110v/240v



Wow! What a value!
Quad Speed $349
Double Speed $249
Now in stock and ready to ship. To order, please call:
Upgrade USA 1-800-664-3962
Micro-Sense 1-800-544-4252
For resellers, call: Addonics 1-800-787-8580
NCA Computer Products 1-800-522-3050
ESSEX Portable Solutions 1-800-463-7739

NETWORK TRAINING CLASSES
Microsoft NT
Microsoft SOLUTION PROVIDER
- Certified Instructors
- 2 - 5 Day Classes or traditional track
- Microsoft Certified System Engineer Curriculum

Courses:
#505-Supporting Microsoft Windows NT 3.51
#422-Supporting Windows NT Server 3.5
#341-Implementing Microsoft Mail 3.2
#315-Supporting Windows for Workgroups 3.11
#472-Internetworking Microsoft TCP/IP Using Microsoft Windows NT 3.5

LOWEST TUITION COSTS IN SOUTHERN CALIFORNIA

SEA Offers:
- Guaranteed Small Classes
- Guaranteed Class Repeat Policy
- Days, Evenings and Weekends
- Outstanding Facilities and Equipment
- Traditional College Scheduling or Fast Track

Call Today
(714)257-3095 • (800)900-8848
SEA
DISCOVER AMERICAN EXPRESS VISA MasterCard
Microsoft SOLUTION PROVIDER Authorized Technical Education Center
Software Education of America, Inc.
Southern California's Leading Software and Network Training Company
265 S. Randolph Ave., #J190, Brea, CA 92621

Sound WinNote P90

- Intel® Pentium® 90MHz Processor
- 64-Bit, 256KB Cache RAM
- 64-Bit, 8MB RAM (exp to 40MB)
- 340MB / 520 / 810MB Hard Drive
- 10.3" Dual Scan STN Color Display
  9.5" Active Matrix TFT
- 3.5" Built-in Floppy Drive
- Local Bus Video with 1MB Video RAM
- 16-Bit Stereo Audio Sound System:
  Built-in Microphone & Speakers
  External Jacks for Line In & Line Out
- Removable NI-MH Battery
- 16550 Serial, & (EPP/ECP) Parallel Port
- Two Type II / One Type III PCMCIA Slot
- Ergonomic Keyboard with Hand Rest
- TrackBall or TrackPoint Mouse
- Carrying Case & AC Adapter
- Sound Software

DUAL SCAN COLOR

PENTIUM PROCESSOR - 90 8MB RAM, 340MB HD	$2195
PENTIUM PROCESSOR - 90 8MB RAM, 520MB HD	$2325

ACTIVE MATRIX TFT

PENTIUM PROCESSOR - 90 8MB RAM, 520MB HD	$3045
PENTIUM PROCESSOR - 90 16MB RAM, 810MB HD	$3745

- Extra NI-MH Battery $150

Sound WinNote 486

- Intel® DX2 or IntelDX4™ Processor
- 8KB or 16K Internal WB Cache RAM
- 4MB / 8MB RAM (exp to 20MB)
- 340MB / 520 / 810MB Hard Drive
- 9.5" Dual Scan STN Color Display
- 3.5" Built-in Floppy Drive
- Local Bus Windows Accelerator
- 12-Bit Enhanced Audio Sound System:
  Built-in Microphone & Speakers
  External Jacks for Line In & Line Out
- Removable NI-MH Battery
- 16550 Serial, & (EPP/ECP) Parallel Port
- Two Type II / One Type III PCMCIA Slot
- Ergonomic Keyboard with Hand Rest
- Trackball Mouse
- Carrying Case & AC Adapter
- Sound Software

DUAL SCAN COLOR

486DX2-66 4MB RAM, 340MB HD	$1595
486DX4-100 4MB RAM, 340MB HD	$1675
486DX4-100 8MB RAM, 340MB HD	$1895

ACTIVE MATRIX TFT

486DX4-100 8MB RAM, 520MB HD	$2575

- 14.4 PCMCIA FaxModem $130
- Extra NI-MH Battery $120

PCI Lightning 4x

- Ultra-Fast **256K Cache**; Up to 512K
- **8MB** RAM & Expandable to 128MB
- **850MB** PCI **Enhanced IDE** Drive
- PCI Local Bus **Enhanced IDE** HDD Controller
- **Quad Speed (4X) CD-ROM Drive**
- 3.5" 1.44MB Floppy Drive
- PCI **Diamond Stealth SE (1MB)** Accelerator
  (The best accelerator for both DOS & Windows)
- **15" Flat Screen 1280x1024 Digital Monitor**
  (30% larger edge to edge display)
- 2 Serial, 1 Parallel & 1 Game Ports
- Enhanced 101-key Keyboard
- Hi-Resolution 400 DPI Serial Mouse

PENTIUM PROCESSOR-75	$1575
PENTIUM PROCESSOR-90	$1675
PENTIUM PROCESSOR-100	$1775
PENTIUM PROCESSOR-120	$1975

- **Multimedia Now:** 16 Stereo Card & Spkrs Add $95
- **Larger 1.08GB IDE Drive Add $70**
- 14400 Baud FaxModem with Voice Mail Add $75

PCI CAD Station 4x

- Ultra-Fast **256K Cache**; Up to 512K
- **16MB** RAM & Expandable to 128MB
- **1.08 GigaByte** Fast (Mode 4) **EIDE** Drive
- PCI Local Bus **Enhanced IDE** HDD Controller
- **Quad Speed (4X) CD-ROM Drive**
- 3.5" 1.44MB Floppy Drive
- 64-Bit PCI **Diamond Stealth 64 Video MPEG (2MB)**
  (Full screen MPEG, CD-i, AVI, & Cinepak playback)
- Diamond **InControl**™ Virtual Screen Software
- **17" Flat Screen 1280x1024 Digital Monitor**
- 2 Serial, 1 Parallel & 1 Game Ports
- Enhanced 101-key Keyboard
- Hi-Resolution 400 DPI Serial Mouse

PENTIUM PROCESSOR-75	$2195
PENTIUM PROCESSOR-90	$2295
PENTIUM PROCESSOR-100	$2395
PENTIUM PROCESSOR-120	$2595

- **Multimedia Now:** 16 Stereo Card & Spkrs Add $95
- **20" Ultra 1600x1280 SVGA Monitor Add $650**
- 14400 Baud FaxModem with Voice Mail Add $75

PCI SCSI Win Station

- Ultra-Fast **256K Cache**; Up to 512K
- **16MB** RAM & Expandable to 128MB
- **1.08 GigaByte** Fast **SCSI-2 Drive** (2.1GB +$495)
- PCI **Fast SCSI-2** HDD Controller
- **Quad Speed (4X) CD-ROM Drive**
- 3.5" 1.44MB Floppy Drive
- 64-Bit PCI **Diamond Stealth 64 Video MPEG (2MB)**
  (Full screen MPEG, CD-i, AVI, & Cinepak playback)
- Diamond **InControl**™ Virtual Screen Software
- **15" Flat Screen 1280x1024 Digital Monitor**
- 2 Serial, 1 Parallel & 1 Game Ports
- Enhanced 101-key Keyboard
- Hi-Resolution 400 DPI Serial Mouse

PENTIUM PROCESSOR-75	$2125
PENTIUM PROCESSOR-90	$2225
PENTIUM PROCESSOR-100	$2325
PENTIUM PROCESSOR-120	$2525

- **Multimedia Now:** 16 Stereo Card & Spkrs Add $95
- 17" Flat Screen 1280x1024 Monitor Add $300
- 850MB / 4.0GB Tape Backup Add $250 / $480

Professional MPEG 4

- **DSP Wavetable Stereo Sound Card & 2 Speak**
- **16MB** RAM & **256K** L2 Cache
- **1.08 GigaByte** Fast (Mode 4) **EIDE** Drive
- 3.5" 1.44MB Floppy Drive
- **Quad Speed (4X) CD-ROM Drive**
- 3.5" 1.44MB Floppy Drive
- 64-Bit PCI **Diamond Stealth 64 Video MPEG (2M**
  (Full screen MPEG, CD-i, AVI, & Cinepak playbac
- MTV Style Bikini Open Video CD Bundle
- **17" Flat Screen 1280x1024 Digital Monitor**
- 2 Serial, 1 Parallel & 1 Game Ports
- Enhanced 101-key Keyboard & Hi-Res Mouse
- **28800 Baud v.34 FaxModem**

PENTIUM PROCESSOR-75	$2495
PENTIUM PROCESSOR-90	$2595
PENTIUM PROCESSOR-100	$2695
PENTIUM PROCESSOR-120	$2895

- **Multimedia Now:** You Already Got The Best !!!
- **Larger 1.26GB IDE Drive Add $50**
- **Pentium® Processor 133MHz for this system $3**

IT'S A SMALL PRICE TO PAY FOR

intel inside pentium PROCESSOR

4X CD & MPEG MULTIMEDIA.

MultiMedia Home PC

- 16-Bit Stereo Sound Card & 2 Speakers
- **8MB** RAM & **256K** L2 Cache
- **850MB** PCI **EIDE** Drive (**1.08GB** Add $85)
- 3.5" 1.44MB Floppy Drive
- Quad Speed (4X) CD-ROM Drive
- **64-Bit** PCI **Diamond Stealth 64 Video MPEG (1MB)** (Full-Screen **MPEG, AVI & CD-i** Playback Video)
- Diamond **InControl**™ Virtual Screen Software
- **15" Flat Screen 1280x1024 Digital Monitor**
- 2 Serial, 1 Parallel & 1 Game Ports
- Enhanced 101-key Keyboard & Serial Mouse
- **14400 Baud FaxModem with Voice Mail**
- **14 Titles CD Bundle** or **Video CD Bundle**

Pentium Processor-75	**$1745**
Pentium Processor-90	**$1845**
Pentium Processor-100	**$1945**
Pentium Processor-120	**$2145**

- **Even Better Sound:** DSP WaveTable Sound Add $70
- 17" Flat Screen 1280x1024 Monitor Add $320
- MTV Style Bikini Open Video CD Title Add $25

HyperSpeed MultiMedia

- DSP Wavetable Stereo Sound Card & 2 Speakers
- **16MB** RAM & **256K** L2 Cache
- **1.08 GigaByte** PCI (Mode 4) **EIDE** Drive
- 3.5" 1.44MB Floppy Drive
- Quad Speed (4X) CD-ROM Drive
- **64-Bit** PCI **Diamond Stealth 64 Video MPEG (2MB)** (Full-Screen **MPEG, AVI & CD-i** Playback Video)
- Diamond **InControl**™ Virtual Screen Software
- **15" Flat Screen 1280x1024 Digital Monitor**
- 2 Serial, 1 Parallel & 1 Game Ports
- Enhanced 101-key Keyboard & Serial Mouse
- **14400 Baud FaxModem with Voice Mail**
- **14 Titles CD Bundle** or **Video CD Bundle**

Pentium Processor-75	**$2125**
Pentium Processor-90	**$2225**
Pentium Processor-100	**$2325**
Pentium Processor-120	**$2525**

- Larger **1.26GB IDE / 2.1GB SCSI-2** Drive Add $50 / $850
- 17" Flat Screen 1280x1024 Monitor Add $300
- 420MB / 850MB Tape Backup Add $170 / $250

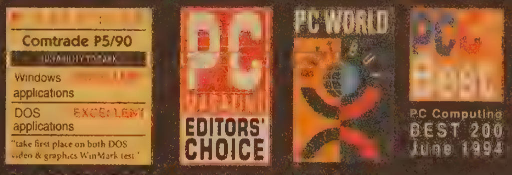
MultiMedia MPEG Dream Machine 4x

- 16-Bit Stereo Sound Card & 2 Speakers
- Quad Speed (4X) CD-ROM Drive
- 16MB RAM & 256K L2 Cache
- 850MB PCI EIDE Drive & 1.44MB Floppy
- PCI Diamond Stealth 64 Video MPEG (2MB) (Full screen MPEG, Video CD Playback)
- 15" Flat Screen 1280 Digital Monitor
- 101 Keyboard & Hi-res Mouse
- MS Works, Money, Encarta '95 or 14 Titles
- 14400 FaxModem with Voice Mail

PENTIUM® PROCESSOR - 90

$2145

Pentium Processor - 100	**$2245**
Pentium Processor - 120	**$2445**


Comtrade P5/90
Windows applications
DOS applications EXCELLENT
"take first place on both DOS video & graphics WinMark test"
PC MAGAZINE EDITORS' CHOICE
PC WORLD
PC Computing BEST 200 June 1994

Sept. 1994 PC MAGAZINE | Comtrade Professional | Comtrade Professional Comtrade Best Buy | Comtrade Professional

800.969.2123

COMTRADE

"The Lightning PC"

1215 Bixby Dr, City of Industry, CA 91745
International 818.961.6688 Fax: 818.369.1479

Realizable Fantasies

continued from page 40

Mad bombers will have to use the printed instructions that are much easier to obtain anyway—including those published by various government agencies for a wide variety of legitimate users.

Buddy, Can Ya Spare The Time?

For up-to-the-minute online information on Congress's obscene censorship efforts and what you can do to resist these plans to establish clear precedent for government control over all telecommunications content, check out:

Web Sites

URL: *http://www.panix.com/vtw/exon/*

URL: *http://epic.org/*

URL: *http://www.eff.org/pub/Alerts/*

URL: *http://www.cdt.org/cda.html*

URL: *http://www.panix.com/vtw/ct*

URL: *http://epic.org/wiretap*

URL: *http://epic.org/terrorism*

URL: *http://www.cdt.org/policy/terrorism/ terrorism.html*

FTP Archives

URL: *ftp://ftp.cdt.org/pub/cdt/policy/free speech/00-INDEX.FREESPEECH*

URL: *ftp://ftp.eff.org/pub/Alerts/*

Gopher Archives:

URL: *gopher://gopher.panix.com/11/vtw/exon*

URL: *gopher://gopher.eff.org/11/Alerts*

URL: *gopher://gopher.panix.com:70/11/vtw/ct*

Email:

vtw@vtw.org (put "send alert" in the subject line)

cda-info@cdt.org (General CDA information)

cda-stat@cdt.org (Current status of the CDA)

vtw@vtw.org (with "send help" in the subject line)

wiretap@epic.org

And my own listserv:

GovAccess (subscribe by sending "subscribe GovAccess" to *Majordomo@well.com*).

Shabbir J. Safdar (*shabbir@panix.com*) and his Voters Telecom Watch (VTW) have been *invaluable* in providing the latest information and coordinating much of the mounting opposition that, so far, has been insufficient to stop the Ayatollah look-alikes in Congress.

The Home of the Free is burnin' down, folks. Can ya spare a bucket of water and join the volunteer fire brigade? *We* are all that we've got! ■

Copyright © 1995 by Jim Warren, email: *jwarren@well.com* . Permission herewith granted to copy-in-full for any nonprofit use.

Introducing The

MicroTimes Quotation Hotline

The Free, Convenient And Easy Way To Receive Pricing Quotations On All Your Computer Needs!

COMPUTER SHOPPING MADE EASY

The MicroTimes Quotation Hotline: It's Free, Easy and Convenient!

Whether you work for a large corporation or are buying for your personal use, the MicroTimes Quotation Hotline can help you gather pricing ***Information Quickly, Easily and for Free*** from a wide variety of computer resellers through the support of *MicroTimes* magazine.

Just fill out the form on the opposite page so you can receive information directly from our advertisers on the exact computer products you are interested in. Our advertisers will respond to your requests directly by fax, phone, mail, or e-mail...whichever way you choose.

To ensure accuracy, please read the following information and instructions:

1. All requests for quotation must use the form attached so that the Optical Reading software (OCR) can read it accurately. Do not send requests for quotation on your own letterhead because the software will not read any other text except for the text areas provided in the form.

2. Please fill in all the information legibly. By filling in the boxes neatly and legibly our OCR software can read your requests for quotation accurately. This will also ensure that your request is easier for advertisers to respond to your needs.

3. Do not cut inside the dotted line.

4. If you are asking for multiple systems and/or computer products in the same category but with different specifications, please use additional forms. This will ensure that your requests for quotation will be responded to accurately and without any confusion from *MicroTimes* advertisers.

5. Be familiar with the particular computer products you are interested in. Be specific about the various products, system processors, speeds, hard drive sizes, features, as well as the particular configuration that you are interested in. This will ensure that you get an accurate response.

To accurately process your quotation request, please print like the example to the right, without touching the box sides. Thank you.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z

0	1	2	3	4	5	6	7	8	9

Please shade circles like this > ●
and not with check or crossed marks > ⊘ ⊗

When You're Finished, Please Fax The Completed Form To:

1-800-496-8008

To Receive Personal Quotes On Your Computer Needs From Our Advertisers, Fill & Fax In This Form

MicroTimes *Quotation Hotline*

Fax forms to: 1-800-496-8008

47044

DIRECTIONS: Please Do Not Use A Cover Sheet. Only legible and completed forms can be processed. You may make copies of this form for multiple requests. Copy at 100% of actual size, do not reduce in size. When you fax your form(s), you may want to note that the forms have been placed properly into the fax machine to avoid faxing the form's backsides. Shade or fill in any circles that apply and print neatly within the boxes without touching the box sides.

First Name

Last Name

Company Name

Title

Address

City

State

Zip Code

Area Code Phone Number - -

Area Code Fax Number - -

E-Mail Address

E-mail address (continued)

Number of Employees
○ 1 to 10 ○ 50 to 100
○ 10 to 50 ○ Over 100

What is Your Purchase Time Frame?
○ 1 Week ○ 3 Weeks
○ 2 Weeks ○ 4 Weeks

Please Rank Your Choice
H=High L=Low
Ⓗ Ⓛ Price Ⓗ Ⓛ Service
Ⓗ Ⓛ Reseller Ⓗ Ⓛ Warranty
Ⓗ Ⓛ Onsite Support
Ⓗ Ⓛ Compatibles
Ⓗ Ⓛ Brand Name

To Be Used Where ? ○ Business ○ Home ○ Network

I Would Like To Receive My Quotation Sent To Me By:
○ Fax ○ Phone ○ E Mail ○ Mail

When requesting different types of systems or multiple systems types make copies of this form at 100% of actual size, do not reduce in size. Fill in your number of forms to follow.

Enter # Of Requested Forms ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

"Advertisers' Quotation of the Day!" Your Shopping Made Easy. Our advertisers have packaged all your needs for one stop easy shopping. Please indicate your selections by shading (fill in) the circles that apply and print neatly within the boxes without touching the box sides

STEP ONE: PICK A SYSTEM.
○ PC COMPATIBLE ○ MACINTOSH
○ PC NAME BRAND ○ Network WORKSTATION
○ PC NOTEBOOK ○ Network FILESERVER
○ MACINTOSH NOTEBOOK

PICK YOUR PREFERENCES
○ Name Brand
○ Compatibles
○ No Preference

Step 1: Enter PC System Brand Name & Model #. If Preference

Step 1: Enter NoteBook Brand Name & Model #. If Preference

Quantity / Choices
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ 10 or More ○

My Budget For System is ○ Under $1000 ○ $1000 to $1999 ○ $2000 to $2999 ○ $3000 to $3999 ○ $4000 to $4999 ○ Over $5000

Call Me For A More Detailed Quote. ○ Quote Me For Selected Upgrade/Peripherals Choices Only. ○

STEP TWO: CONFIGURATION REQUESTS: CPU
○ PENTIUM ○ 486 ○ 386 ○ MAC QUADRA/PERFORMA ○ MACPOWER PC

CPU MHz SPEED:
○ DX4 ○ DX2 ○ DX ○ SX ○ SLC ○ Quadra ○ PowerPC
○ 133 ○ 120 ○ 100 ○ 90 ○ 80 ○ 75 ○ 66 ○ 60 ○ 50 ○ 40

BUS TYPE ○ PCI ○ VLB ○ EISA ○ ISA

CACHE ○ 64K ○ 128K ○ 256K ○ 512K

RAM: ○ 1MB ○ 2MB ○ 4MB ○ 8MB ○ 16MB ○ 32MB ○ 64MB ○ 128MB

HARD DISK DRIVE: ○ 100MB+ ○ 300MB+ ○ 500MB+ ○ 1GB+ ○ 4GB+
○ IDE ○ SCSI ○ 200MB+ ○ 400MB+ ○ 700MB+ ○ 2GB+ ○ 8GB+

MONITOR: ○ SVGA ○ VGA ○ MONO ○ 26 DPI
○ 14" ○ 15" ○ 17" ○ Non Interlace ○ 28 DPI
○ 20" ○ 21" ○ Multisync

FLOPPY DRIVE: ○ 1.44MB and/or ○ 1.2MB

FAX MODEM: ○ Internal ○ External ○ 9600bps ○ 14400bps ○ 28800bps

CASE TYPE: ○ Mid Tower ○ Desktop ○ Full Tower

VIDEO CARD RAM ○ 512KB ○ 1MB ○ 2MB ○ 3MB ○ 4MB

POINTING INPUT DEVICES: ○ Any Mouse ○ MS Mouse ○ Keyboard
○ Serial ○ Bus ○ PS2 ○ Trackball ○ Joystick ○ Ball Point ○ Pen

OPERATING SOFTWARES NEEDED: ○ DOS ○ OS2 ○ Mac ○ UNIX ○ MS Windows

STEP THREE: MULTIMEDIA UPGRADE ○ Please Add To Step 1 & 2 Quotation ○ Please Quote Me Separately

CD ROM DRIVE: ○ Internal ○ IDE ○ SCSI ○ External

CD ROM TITLES INCLUDED: ○ 1-5 ○ 5-10 ○ 11+

SPEED ○ 2X ○ 3X ○ 4X

○ BRAND NAME ○ No Brand Name Preference

CD ROM Brand Name and Model Number

SOUND CARD ○ 16Bit ○ 32Bit

SPEAKERS ○ Less Than 25W ○ 25 to 50W ○ 50 to 75W ○ More Than 75W

STEP FOUR: NOTEBOOK SECTION - Please Note You Must Make Choices In Steps 1 & 2 To Complete Step 4

SCREEN TYPE: ○ Mono ○ Dual Scan Color ○ Active Color

PCMCIA SLOT: ○ Type I ○ Type II ○ Type III ○ Type IV

○ Audio Capable ○ Docking Station
○ Fax Modem ○ Extra Battery

STEP FIVE: NETWORKING NEEDS: ○ Please Contact Me on My Networking Needs Indicated Below
○ Software ○ Hardware ○ Consultation ○ Design ○ Installation ○ Administration ○ MS Workgroups
○ Users 2 to 10 ○ Users 10 to 50 ○ Users Over 50 ○ Lantastic ○ Apple Talk ○ Novell ○ MS NT

STEP SIX: UPGRADES and PERIPHERALS. ○ Ink Jet Printer ○ Tape Backup ○ Accelerator
○ Color Printer ○ Dot Matrix Printer ○ Laser Printer ○ Flat Bed Scanner ○ Digitizer ○ Hand Scanner

PaperImage, Inc. 1994-1995 Copyright All rights reserved. 408.477.0303 Fax * paperimage@aol.com * Fax Demo 1-800-421-7007 *

Please do NOT use a cover sheet. Only legible and completed forms can be processed. You may make copies of this form for multiple requests needed. FAX FORMS to (800) 496-8008

PaperImage ©1994

Please Cut Out Form On Dotted Line...Do Not Enlarge or Reduce Size of Form

Please Cut Out Form On Dotted Line...Do Not Enlarge or Reduce Size of Form

MICROTIMES QUOTATION HOTLINE

PALMTOPS • BY MITSU HADEISHI

The Lessons Of The Poqet PC

The Shape Of Things To Come

Recently it came to my attention that a large number of one of the early sub-subnotebook computers, the Fujitsu Poqet PC, has been purchased by California Digital, a reseller based in Gardena, California. (Note that Fujitsu currently markets a line of palmtops which also uses the Poqet name and which should not be confused with the original Poqet PC I'm speaking about here.)

The Poqet PC, originally priced at around $2000, is now being sold for the somewhat humiliating (yet perhaps attractive to some) price of $189, while supplies last. This "classic" Poqet is a small, portable, handheld DOS-compatible computer with 512K of RAM, an 8086-compatible processor running at 7MHz, and two PCMCIA 1.0 slots which can be used for SRAM expansion cards and some other types of cards.

> *The success of the HP series of pocket computers says a lot about what you need to do in order to be successful in the ultraportable category.*

Although this is a remarkable opportunity for antique collectors, as well as those who might want to pick up a usable ultrasmall computer real cheap, it prompted me to wonder why this original Poqet PC never really took off (even though the similarly featured HP 95LX, 100LX, and 200LX seem to be doing just fine). The Poqet (pronounced, somewhat inexplicably, "pocket" and not "pokay" as one might expect) is in many ways similar to the HP in design, functionality, and power. Both machines support MS-DOS, both machines have a rather small amount of internal storage, and both machines are meant to be ultraportable. Yet the HP has succeeded where the Poqet failed.

Note that the Poqet was not the only machine of its size to fail; a number of other manufacturers, including Sharp, Atari, and others, attempted to market machines like the Poqet, yet today none of them are currently having success with any keyboard-based machines in this class of "sub-subnotebook" PCs—except HP.

The machines had similar features and performance. Although there were some notable functional differences (for example, the built-in applications varied considerably in ease-of-use and power), overall, the units were generally quite comparable. However, they were—with the exception of the HP—just a little bit larger than you could actually fit into your pocket.

There is a kind of rule in the world of full-sized notebook computers: Give the user everything. The user seems to want from a laptop not a scaled-back, less powerful machine than they could get on their desktops; rather, they desire, at least insofar as it is possible, a desktop machine in a portable package. This now includes luxuries like CD-ROM drives, multimedia graphics support, sound cards, SCSI interfaces, Ethernet connectivity, high-speed fax modems, you name it, you can get it—to go. The smaller subnotebook category, although growing, seems to be hindered somewhat by the fact that machines of that size tend to have slightly less power than their notebook cousins.

There is a dearth of machines between the ultrasmall palmtop (the HP 100LX, the Sharp Wizard and Zaurus, the Casio BOSS, etc.) and full-function, full-featured notebooks. This isn't because manufacturers haven't tried to span that gap; people simply haven't bought it. Far from being impressed by the 80 x 25 character screens and somewhat usable keyboards on these sub-subnotebooks, users seem to have been turned off by the lack of features, storage, speed, and other amenities compared to what they get from a notebook computer. Yet go down a little in size and you find that the ultrasmall category of machine, pocket computers,

STOP

FREE
Pager
call
for
more
info

HUGE BLOW-OUT SALE
ON COMPLETE SYSTEMS

Pentium Systems with 14" SVGA Monitors

		Multimedia
100 MHz	$1,259.99	$1,428.99
90 MHz	$1,179.99	$1,348.99
75 MHz	$1,089.99	$1,258.99

intel inside

including:

- 256K Cache
- 8MB RAM 70ns
- 540 MB HDD
- 1.44 Floppy Drive
- Hi Resolution Mouse
- PCI Enhanced IDE Controller
- 2S, 1P, 1G Port
- PCI - 1MB SVGA card
- 101 Enhanced Keyboard
- Midtower case w/ P/S

Motherboards with CPU

• 486 SX-40 VLB Pentium Ready w/ CPU	$85.99
• Intel 486DX2-66 VLB Green Pentium Ready 256k	$183.99
• AMD 486DX2-80 VLB Green Pentium Ready 256k	$169.99
• AMD 486DX4-100 VLB Green Pentium Ready 256k	$179.99
• Intel 486DX4-100 VLB Green Pentium Ready 256k	$249.99
• Pentium 75MHz w/CPU & 256k Cache	$345.99
• Pentium 90MHz w/CPU & 256k Cache	$439.99
• Pentium 100MHz w/CPU & 256k Cache	$515.99
• Pentium 120MHz w/CPU & 256K Cash	$879.99

Memory

• 1MB 30 pin 70 nS	$34.99
• 4MB 30 pin 70 nS	$119.99
• 4MB 72 pin	$127.99
• 8MB 72 pin	$249.99
• 16MB 72 pin	$455.99

14.4k
Int. Fax Modem
$39.99

Diamond Stealth
1MB w/ Video Playback
$115.99

Sony Quad Speed
CD ROM Drive
$149.99

486 VLB Systems with 14" SVGA Monitors

486 DX4 - 100 MHz SUPER POWER FOR LOW BUDGET	486DX2-80MHz w/ 256k Cache More Power - Great Price	486DX2-66 VLB w/256k Cache What a Deal!
$749.99	$729.99	$719.99
Multimedia $918.99	Multimedia $898.99	Multimedia $888.99

The above systems come with:

- VLB w/256k Cache
- 420MB HDD
- 4MB RAM
- 1.44 MB FDD
- 14" SVGA Monitor
- VLB IDE Card
- VLB SVGA Card
- Digital Case w/ PS
- 101 Enhanced keyboard
- Mouse

486-40MHz BEST BARGAIN

- 420MB HDD
- 4MB RAM
- 1.44MB FDD
- 14" SVGA Monitor
- SVGA Card
- VLB IDE Controller
- 2S, 1P, 1G
- Digital Case w/ PS
- 101 Enhanced Keyboard
- Mouse

$619.99

Multimedia $788.99

PRINTERS

HP DeskJet 540	$219.99
HP DeskJet 660C	$455.99
HP LaserJet 4L	$489.99
HP LaserJet 4 Plus	$1349.99

HARD DRIVES

CONNER, QUANTUM MAXTOR, SAMSUNG

420MB Enhanced IDE	$129.99
540MB Enhanced IDE	$139.99
850MB Enhanced IDE	$185.99
1.2GB Enhanced IDE	$245.99
1.0GB SCSI II 9mS	$399.99
2.1GB SCSI II 8.5mS	$699.99

TAPE BACKUP

Colorado 250 MB	$115.99
Colorado 420 MB	$145.99
Tape cartridge	$12.99

ACCESSORIES

MiniTower case w/ 230 PS	$35.99
MidTower case w/ 230 PS	$53.99
Desktop case w/ 230 PS	$45.99
FullTower case w/ 230 PS	$65.99
1.2 MB FD 5" 1/4	$40.99
1.44 MB FD 3" 1/2	$25.99
Keyboard 101BTC	$13.99
Mouse	$7.99

NETWORK CARDS

NE-2000 2 in 1 PCI	$89.99
NE-2000 2 in 1 16 Bit	$29.99
NE-2000 32 Bit VESA	$125.99
Intel Ether Express Pro Adapter	$99.99

VIDEO CARDS

1MB 32 Bit VLB	$63.99
1MB Trident ISA 16 Bit	$55.99
Diamond Stealth 2MB	$155.99
Diamond Stealth 1MB	$105.99

CPU

Intel

Pentium - 75 MHz	$219.99
Pentium - 90 MHz	$315.99
Pentium - 100 MHz	$389.99
Pentium - 120 MHZ	$710.99
486 DX2 - 66 MHz	$99.99
486 DX4 - 100 MHz	$165.99

AMD

486 DX2 - 66 MHz	$79.99
486 DX2 - 80 MHz	$84.99
486 DX4 - 100 MHz	$94.99

Cyrix

486 DX2 - 66 5V	$59.99
486 DX2 - 80 5V	$74.99

CD ROM DRIVES

Sony 55E Double Speed	$99.99
Panasonic Double Speed IDE	$79.99
Mitsumi Quad Speed IDE	$159.99
Toshiba Quad Speed IDE	$159.99
TEAC Quad Speed IDE	$159.99
NEC SCSI Super Quad Speed	$255.99
Toshiba SCSI 4.4X Speed	$295.99
Toshiba SCSI 4X Speed	$275.99

MONITORS

14" SVGA NI .39 Shamrock	$175.99
14" SVGA NI .28 Shamrock	$205.99
15" SVGA NI .28 1280 x 1024	$289.99
17" SVGA NI .28 1280 x 1024	$539.99

MULTIMEDIA UPGRADE KIT

MITSUMI/SONY QUAD SPEED

- 4X CD ROM Drive
- Sound Blaster 16 by Creative Labs
- Speakers
- 2 CD Titles

$229.99

SONY DOUBLE SPEED 55E

- 2X CD ROM Drive
- 16 Bit Sound Card
- 8 CD Titles w/ Encyclopedia
- Speakers

$169.99

QUAD SPEED SCSI II

- Toshiba 4X Speed CD ROM Drive
- Sound Blaster 16 SCSI II
- Speakers

$385.99

SOUND CARDS

Sound Blaster 16 Bit	$65.99
Sound Blaster 16 Bit SCSI II	$99.99
Sound Blaster Awe 32	$235.99
Mozart 16 Bit	$49.99

FAX MODEMS

14,400 Fax Modem int.	$39.99
14,400 Fax Mod. Voicemail	$53.99
28,800 Fax Modem Int.	$135.99
14,400 Fax Modem ext.	$105.99
28,800 Fax Modem ext.	$239.99

Now Serving Areas

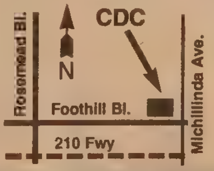
Pasadena
San Gabriel Valley
San Fern. Valley
Los Angeles
Call for more info

I / O CARDS

ISA-IDE I/O Card	$9.99	PCI IDE & I/O enhanced controller	$12.99
VLB AT I/O & IDE 2S, 1P, 1G, 4HD, 2FD enh.	$15.99	PCI SCSI card	$185.99

We will try to beat any advertised price.
Wholesale prices to the public!!

Store Hours
Mon - Fri 9:30am - 6:30pm
Sat & Sun 10:30am - 4:00pm



DISCOVER VISA MasterCard

All systems come with 1 yr parts & labor warranty. Prices & Product availability are subject to change without notice. Call for current prices, we're not responsible for typographical errors. Prices reflect a 3% cash discount. 20% restocking fee for returns.

COMPUTER DISCOUNT CENTER • 3844 E. Foothill Blvd. Pasadena, CA 91107
PHONE (818) 564-2840 • FAX (818) 564-2842

nevertheless remains a modest yet growing and viable market.

The HP Advantage

I think the success of the HP series of pocket computers says a lot about what you need to do in order to be successful in the ultraportable category. The primary difference between the HP and the other would-be palmtop powerhouses is simply that the HP is more portable. A tiny difference, but one which I think makes all the difference in the world.

People don't want to compromise on power, functionality, ease-of-use, or keyboard size—unless they get something big in return. Or, in this case, unless they get something really small. The fact is, the Poqet PC, as well as many other similar palmtops, was simply not significantly more portable than a notebook computer. Any larger than the HP100LX, and you cannot really carry it in any pocket; you have to wear a jacket with a big pocket or carry a purse. Who wants to wear a jacket in hot weather? Where would you put your sub-subnotebook then? Next to your notebook tucked away in a backpack at home, probably.

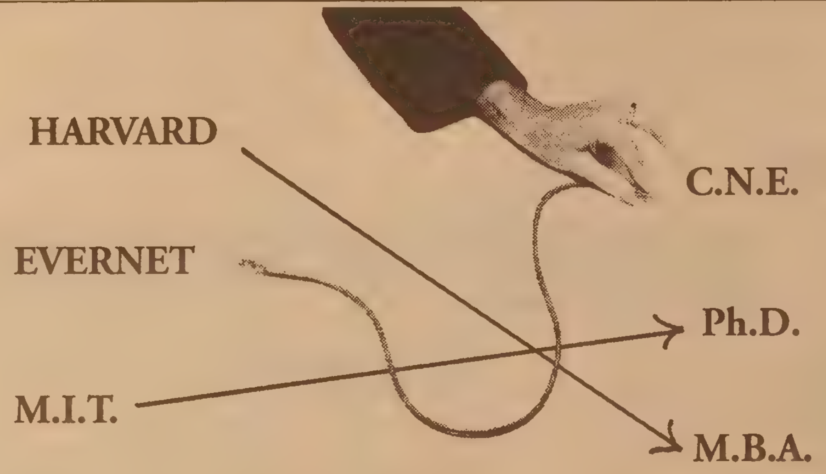
The HP LX series computers, however, were and are small enough to fit almost anywhere, which makes them significantly different from both their notebook cousins and their subnotebook brethren. You can stick a computer like that in your pocket and hardly know it's there. You can literally have your 100LX with you nearly all the time, like a wallet or an address book. It's possible to do real work on these machines; they can run spreadsheets, text editors, even word processors. They are, of course, significantly less powerful than desktops or notebooks; however, they have nearly unlimited portability and extensive battery life (some pocket organizers have batteries which can last literally months before needing replacement).

The whole class of pocket-sized computers, ranging from $30 credit-card address books to $500 HP 100LX-class machines, is thriving. Every machine in this range has been successful due to the same features noted above: a lot of functionality in a tiny pocketable package. By contrast, machines that have attempted to fit in the size range above these machines, such as the Apple Newton, the Fujitsu Poqet, and others, have had sales far below initial projections.

The Future

Time will tell if the Sony MagicLink will suffer a similar fate; it has a number of advantages over these other machines, notably the presence of the MagicCap and Telescript technology, giving it more user-friendly access to the global information network. The Motorola Envoy has wireless connectivity, giving it a potentially winning edge. However, Telescript is a proprietary technology that has not yet caught on; and the MagicLink and the Envoy do not yet have access to the real global information network, the World Wide Web.

Of course, looking to the past to project into


HARVARD
C.N.E.
EVERNET
Ph.D.
M.I.T.
M.B.A.

MAKE THE OBVIOUS CONNECTION

If you are looking for the best way to learn all about the Novell Certified NetWare® Engineer Program, make it simple on yourself-call the leader-Evernet Education Services. Evernet Education is the most highly respected LAN training company with the finest instructors and best equipped classrooms. Novell Authorized Education Centers teach you skills necessary to get the maximum performance from NetWare®. That's why you should choose the leader in operating systems training, Evernet Education Services.

We're so sure that you will get the finest training anywhere, we offer this guarantee on all of the certification testing, we welcome them back to review the appropriate course at no additional cost.

GUARANTEED SATISFACTION EVERNET

New Services from Evernet

- Consulting Services
-LAN/WAN Design and Implementation
-LAN/WAN Upgrade & Maintenance
- Training and Consulting on HP Networking Products including 100VG
- Client/Server Training

CALL TODAY 1-800-447-3658

- FREE 2-user Version of NetWare Available
- Night Classes Available

Novell Authorized Education Center

EVERNET
EDUCATION SERVICES
Los Angeles • San Francisco • Sacramento
Hewlett Packard Authorized Training Center and ETI Training Affiliate

The USM Way... High Quality, Superior Service and "Rock Bottom" Prices!

Why USM?

When purchasing a computer, you should demand only the best!

- USM has a proven track record - here today, here tomorrow!
- PC Experience since 1983 - We know what you need.
- Service unmatched in the industry - Repairs and upgrades do not take weeks or months!
- USM has integrity - We'll provide you with what you need at a fair price.
- USM's knowledgeable staff is ready to help you today.
- We build all systems to meet your specifications.
- USM specializes only in PCs, so we can better serve you!
- USM carries a full line of PCs and peripherals.
- USM has many years of experience in servicing the needs of Corporate and Government accounts - your POs are Welcome (OAC)!
- USM also has other financing options - including 90 days Same as Cash.

USM...the latest technology, the experience to service and support it, and the prices that you want!

Why the Mach XII?

The Fastest Pentium PCI - Triton Chipset!

- USDesign Technologies' Mach XII Motherboard - 2 year warranty!
- Upgradeable to 133MHz, 128MB RAM, 1MB Cache Memory!
- Supports EDO DRAM memory!
- Anti Virus and "Green" features, support for Large Drives!
- Intel Triton Chipset - the fastest Pentium Chipset!
- 8 Slots: 4 Bus Mastering PCI Slots, 4 ISA 16-bit
- Enhanced IDE Controller - Up to 4 IDE Devices (HDD, CD, etc)!
- 2 High Speed 16C550 UART Serial Ports, 1 Enhanced Parallel Port
- 256KB Write Back Level 2 Cache Memory
- Ball-bearing fan - 2 year warranty, 50,000 MTBF!
- High Quality 2x Zinc Plated Case with 250W UL Listed Power Supply

Base Pentium Systems (Intel CPUs)

Pentium 75MHz - $795
Pentium 90MHz - $895
Pentium 100MHz - $995
Pentium 120,133MHz - Call

Options/Add-ons

Customize your PC. Simply select from the list below the components that fit your requirements. (These prices are available only when purchased with Base Systems.)

Name Brand Memory	
4MB SIMM (72-pin, 70ns)	135
8MB SIMM (72-pin, 70ns)	265
16MB SIMM (72-pin, 70ns)	465
32MB SIMM (72-pin, 70ns)	950

Hard Disk Drives	
Conner 420MB IDE (CFS425A)	139
Conner 540MB IDE (CFS540A)	159
Conner 850MB IDE (CFS850A)	189
Conner 1.2GGB IDE (CFS1275A)	249
Maxtor, WD and Seagate also available	Call

Floppy Disk Drives	
TEAC 1.44	28
TEAC 1.2	39

Graphics Adapters	
Cirrus Logic 1MB PCI	75
Tseng Labs 1MB PCI	95
Eagleview 1MB VLB	134
Eagleview 1MB PCI	124
Diamond Stealth 64 1MB PCI	109
Diamond Stealth 64 Video 1MB VRAM PCI	135
ATI Graphics Expression 2MB DRAM PCI	169
ATI WinTurbo 2MB VRAM PCI	240
ATI ProTurbo 2MB VRAM PCI	289

Tape Backup Drives	
HP/Colorado 350MB Internal Tape Backup	129
HP/Colorado 700MB Internal Tape Backup	185
HP/Colorado 800MB Internal Tape Backup	195

Monitors	
Shamrock 14" Non Interlaced .28mm	205
Shamrock 15" Non Interlaced .28mm	295
Shamrock 15" Non Interlaced .28mm MPRII	305
Shamrock 17" Non Interlaced .28mm MPRII	535
Shamrock 20" Non Interlaced .28mm MPRII	1150
Shamrock 21" Non Interlaced .28mm MPRII	1450
CTX Monitors	Call
MAG Monitors	Call
NEC Monitors	Call
Viewsonic Monitors	Call

Modems	
USRobotics 14.4 SI Internal FAX Modem	63
USRobotics 28.8 Internal FAX Modem	175

Keyboards	
101 Enhanced	15
Keytronics 2000	22
Focus 2001	25
Fujitsu 4720	37
Microsoft Natural	88
Northgate 101	95

Sound Cards/CD-ROM	
16-bit Stereo Sound Card	55
Sound Blaster 16 IDE	69
Sound Blaster AWE 32	Call
Sony 4x EIDE CD-ROM	175
Video Blaster SE100	245
Toshiba 4x EIDE CD-ROM	Call

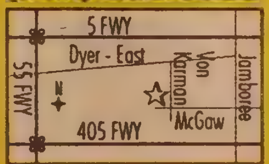
Custom Configurations and Expert Installation available. Call today, or come by our convenient Irvine Showroom to experience the USM difference!

USM
USMACH

Visa and Mastercard accepted. No surcharge for credit cards.
Price and availability subject to change without notice.
Prices effective through 8/31/95.

Corporate and Government POs are welcome! 90-days Same as Cash Financing is also available! (OAC)

USM Irvine
(714) 252-8335



17145 Von Karman Ave Ste 109
FAX: (714) 252-8354
Hours: Monday-Friday 9-6

Other Locations to serve you!

USM Sunnyvale - (408) 738-8291
USM Fremont - (510) 623-9040
USM San Francisco - (415) 952-5885

Since 1983

Palmtops *continued...*

the future is the easiest form of prognostication, and it's quite possible that sub-subnotebooks will someday take off. But for right now, that category is still stuck on the tarmac, awaiting something special to give it some extra oomph which is needed to get it off the ground. Meanwhile, notebooks will continue to get thinner and lighter—but they'll probably retain their full-sized keyboards and color displays for some time to come.

Speaking of Small...

Wildfire Communications, Incorporated has taken the concept of portability one step further and come up with a design for a personal digital assistant driven by voice commands, weighing zero pounds and taking up no room whatsoever. The Wildfire Electronic Assistant keeps track of appointments, sends and receives voice messages, forwards messages to many people at once, and maintains a contact list for the user. Because it is voice-activated, the system does not require a complicated user interface, a keyboard, or even a pen; you just talk to it.

The way it works is simple: You call it up on the phone, any phone, anywhere, and conduct the transactions over the phone, via intuitive voice commands. I had an opportunity to listen to a demonstration of the system and found it to be quite impressive. While making a single phone call you can listen to your messages, take incoming calls, call people, set up conference calls, broadcast a voice message to a number of recipients, and set up personal reminders.

> *The primary difference between the HP and the other would-be palmtop powerhouses is simply that the HP is more portable.*

I've often been on the road and tried to make a series of calls and also check my messages; I would have found it convenient to be able to do this without having to constantly redial my calling card number. Of course, it's possible to make another call by hitting the "#" key—if the other party has hung up. But what if you get an answering machine? In that case, you have to hang up and dial the calling card number all over again.

With Wildfire, however, even while you're talking with someone, you simply say the word "Wildfire" and the electronic assistant appears. At this point you can end the call, take another incoming call, call someone else, and so forth. This seems to me to be pretty convenient (unless, of course, you happen to work for a rural fire department).

The voice commands are quite chatty; for example, you can say things like "give him a call" or "I'll take it" (meaning, "I'll take the incoming call"). It's hard to say how long it

continued on page 219

Computer Upgrades

Memory
Speed
Power

(818) 244-6242

MEMORY
For Desktops, Laptops, Notebooks, File-Servers & Laser Printers. From Apple to Zenith
Best quality SIMM, CACHE, SRAM, & DRAM Modules
Guaranteed Lowest Prices

UPGRADES
386 to 486 to Pentium
Hard Disk Expansion
Multi-Media Add-Ons
Efficient Service

REPAIRS
Computers
Laser Printers
All Major Brands
30 Years Experience

WE BUY MEMORY

Special Of The Month
DIAMOND VIPER High Speed Video Board VL Bus with 2 MB Memory $159 !

eritech international, inc. 740 N. Glendale Ave., Glendale, CA 91206 - Tel (818) 244-6242 Fax (818) 502-5059

OUR ENERGY GOES INTO EXCELLENCE!

Pentium PCI

- Intel 64-Bit Pentium Processor
- 256K Cache
- 8MB RAM
- 850MB EIDE Hard Disk
- 1.44MB Floppy Drive
- 14" SVGA Non-Interlaced Monitor (1024x768NI, Green Energy Saving 72Hz)
- PCI Windows Accelerator Card (1MB Exp. to 2MB 16.7 Million Colors, 1280x1024)
- PCI Enhanced IDE Controller with 2 Serial, 1 Parallel, 1 Game port
- 101-Key Enhanced Keyboard
- Hi Resolution Mouse
- Mid Tower Case with 230W Power Supply
- 1 Year Parts Warranty
- 5 Years Labor Warranty

Pentium 90	**$1395**
Pentium 100	**$1465**
Pentium 120	**$1795**
Pentium 133	**$2045**

486 VESA Local Bus

- 256K Cache
- P24T/Overdrive Ready
- 4MB RAM (70ns)
- 540MB EIDE Hard Drive
- 1.44MB Floppy Drive
- 14" SVGA Non-Interlaced Monitor (1024x768NI, Green Energy Saving, 72Hz)
- 32-Bit VL Bus Windows Accelerator Card (1MB Exp. to 2MB 16.7 Million Colors, 1280x1024)
- VL Bus Enhanced IDE Controller with 2 Serial, 1 Parallel, 1 Game Port
- 101-Key Enhanced Keyboard
- Hi Resolution Serial Mouse
- Mini Tower Case with 230W Power Supply
- 1 Year Parts, 5 Years Labor Warranty

486DX2-66	**$845**
486DX4-100	**$895**

BAREBONE SYSTEM PRICES

PENTIUM PCI

- Intel 64-Bit Pentium Processor
- 256K Cache
- 1.44MB Floppy Drive
- PCI Bus Enhanced IDE Controller with I/O
- Mid Tower Case

Pentium 90	**$635**
Pentium 100	**$695**

486 VESA LOCAL BUS

- 486 VESA Local Bus Motherboard
- 256K Cache
- 1.44MB Floppy Drive
- VL Bus Enhanced IDE Controller with I/O
- Mini Tower Case

486DX2-66	**$275**
486DX4-100	**$330**

CALL FOR UPGRADES

DOUBLE SPEED MULTIMEDIA

Sony CD-ROM
Sound Blaster 16
Multimedia Speakers
4 CD Titles

$215

QUAD SPEED PRO MULTIMEDIA

TOSHIBA Quad Speed SCSI CD-ROM
Sound Blaster SCSI-2
Multimedia Speakers
4 CD Titles

$395

QUAD SPEED MULTIMEDIA

TEAC 4X CD-ROM
Sound Blaster 16
Multimedia Speakers
4 CD Titles

$269

MONITOR

MGC 1458, 14" 1024x768; NI; .28mm	$205
MGC 1588, 15" 1280x1024; NI; .28mm	$290
MGC 1765, 17" 1280x1024; NI; .26mm	$580

HARD DRIVE

CONNER/SAMSUNG 420MB IDE	$149
MAXTOR/SAMSUNG 540MB IDE	$159
CONNER/MAXTOR 850MB IDE	$229
MAXTOR/CONNER 1.2GB IDE	$269
CONNER 1GB SCSI-2	$459
QUANTUM 2.1GB SCSI-2	$795

CD ROM

SONY DOUBLE SPEED IDE	$115
TEAC QUAD SPEED IDE	$170
NEC QUAD SPEED SCSI-2	$310
TOSHIBA QUAD SPEED SCSI-2	$295

SOUND CARD

SOUND BLASTER 16 BASIC	$78
SOUND BLASTER 16 SCSI-2	$99
SOUND BLASTER 16 SCSI-2 ASP	$162
SOUND BLASTER AWE 32	$248

THETA

THETA COMPUTER
CORPORATION OF AMERICA

3200 Airport Ave. #22 • Santa Monica • CA 90405
(310) 572-1613
FAX # (310) 572-1615
Corporate P.O.'s Accepted!

90 Days Same As Cash. Financing Available.

Business Hours:
M-F 9:00A.M.- 6:00P.M.
& Sat. 10A.M. - 4P.M.

Prices include 3% cash discount. Prices & Specifications are subject to change without notice. Not responsible for any typographical errors.

The CALIFORNIA COMPUTER The CALIFOR

Introducing The New TROGON, Prevent Sti

TROGON 400

Modular Design

- Intel 80486DX4-100 CPU
- 16MB RAM (72-pin SIMM), 520 MB hard disk
- Removable floppy for 2nd battery
- Ni-MH battery, PCMCIA III
- Removable hard drive caddy
- Build-in Pointer mouse w/16-bit sound card

DX4-100, 16/540, Du-Scan ...$2325.00

TROGON PENTIUM

Multi-Media

- Pentium 90 CPU
- 11.4" / 10.4" DSTN/ TFT active color large screen
- 8 MB RAM, 256KB External Cache memory
- PCI-IDE controller with 520 MB hard drive
- PCI SVGA card w/ 1 MB VRAM, 1.44MB FD
- 1 Enhanced Parallel Port, 1 UART 16550 serial port
- Ni-MH battery, PCMCIA III slot, track-ball mouse
- 16-bit sound card w/speaker & microphone

P-90, 8/540, Du-Scan ...$2685.00

BYTE Magazine 4/95 Editoris Choice

TROGON 380

- Intel 80486DX4-75 CPU
- 4 MB RAM, 520 MB hard disk
- VLB SVGA 1 MB, 9.5" TFT active color screen
- VLB IDE controller, 1.44 MB FD
- 16-bit sound card w/ speaker & Microphone
- PCMCIA III, track-ball mouse

DX4-75, 4/540, Active ...$2495.

TROGON 600

CD-ROM Build-in

TATUNG

- Intel 80486DX4-75 CPU
- 8 MB RAM, 340 MB hard disk
- Build-in Double Speed CD-ROM drive
- 16-bit sound card w/speaker
- 10.4" DSTN color screen, Ext. 1.44 MB FD
- PCMCIA III, track-ball mouse

DX4-75, 8/340, Du-Scan ...$2385.00

TROGON 500

- Intel 80486DX4-75 CPU
- 4 MB RAM, 540 MB hard drive
- 16-bit sound card w/speaker
- PCMCIA III, Track-ball mouse
- VLB 9.5" DSTN color display
- Ni-MH battery with indicator
- 1.44 MB floppy drive

DX4-75, 4/540, Du-Scan ...$1795.00

2 year factory warranty

TROGON 900

- Intel 80486DX4-75 CPU
- 8 MB RAM, 340 MB hard disk
- 1st w/ build-in 2x CD-ROM & Floppy drive
- PCMCIA III, Pointer Mouse
- 16-bit sound card w/ Unique microphone arm
- Build-in MIDI port
- Removable floppy drive for optional 2nd battery, optional PC-Video, TV-Tuner, MPEG decoder

DX4-75, 8/340, Du-Scan ...$2565

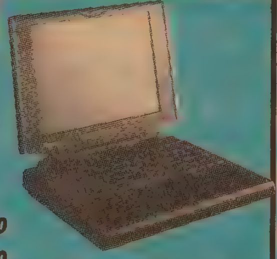
Canon 150C

Computing with stylus

- Intel 486DX2-66 CPU
- 4 MB RAM, up to 32 MB RAM
- 340 MB hard drive
- PCMCIA III, Digital Audio
- Build-in track-ball, speaker
- MS DOS/ WINDOWS, Claris Works
- Sidekick for Windows
- 1 year roadside/mail-in warranty

DX2-66, 4/340, Du-Scan ...$1849.00

Canon 200LS



- 11.3" DSTN color screen
- Track Point Pointing Device
- PCMCIA III, 16-bit sound card
- Ni-MH battery, 1.44 MB FD
- MS DOS, WINDOWS loaded
- Sidekick for Windows
- Official Airline Guide

DX2-66, 4/340, DSTN ...$2450.00
DX4/100, 8/520, DSTN ...$2999.00

11.3i DSTN Color Screen

Canon NoteJe

- Build-in 360 dpi Bubble Jet printer
- 9.5" DSTN color screen
- PCMCIA III slot, Canon Trackball mouse

NoteJet 486SX-33 4 MB RAM, 340MB
NoteJet DX4/75 8 MB RAM, 500MB H
NoteJet DX4/100 8 MB RAM, 810 MB

We Have Largest Selection & Lowest Price

Canon

Portable!

New!

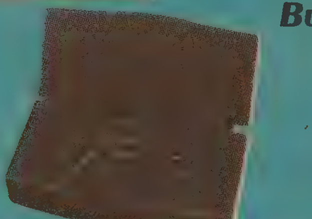
Bubble Jet
BJC-70 color
720 x 360 dpi

$346.00

Color

Canon

Portable!



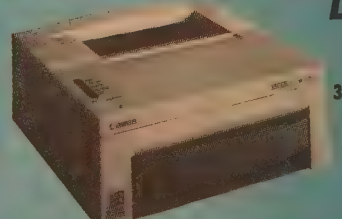
Bubble Jet
BJ-30
720 x 360 dpi
256 Gray Scale

$259.00

New!

Canon

3 Year Warranty



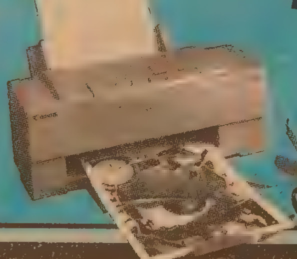
LASER JET
LDP-430W
300 dpi
3 Years Warranty

$439.00

New

Canon

4 Cartridges!



Bubble Jet
BJC-600 color
720 x 360 dpi

$445.00

Color

Canon

2 Cartridges!

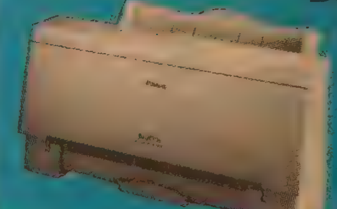
Bubble Jet
BJC-4000color
720 x 360 dpi

$346.00

Color

Canon

Free Cable



Bubble Je
BJ-200e
720 x 360 d
256 Gray Sca

$217.0

Ask About our GE 3 Years Extended Warranty and 90 Day Same as Cash Financing Program

COMPUTER *The* CALIFORNIA COMPUTER

SHOCK. NOVELL NOVELL NOVELL

VE COLOR
Reduced

OM Build-in

d-in Printer!

d
rranty

999.⁰⁰
297.⁰⁰
497.⁰⁰

TROGON PCI Server

- Ultra-Fast 256K Cache
- 16 MB RAM & Expandable to 128 MB
- 1.0 GigaByte SCSI hard disk
- Adaptec 2940 PCI SCSI controller
- Teac 1.44 MB Floppy drive
- Monochrome Graphic Card
- Monochrome 14î monitor
- 2 UART-16550 serial ports
- 1 Enhanced Parallel Port
- Enhanced 101-key keyboard
- 16-bit Ethernet card

Intel 486DX4-100 ...$1680.⁰⁰
Intel Pentium P5-75 ...$1765.⁰⁰
Intel Pentium P5-90 ...$1825.⁰⁰

TROGON PCI WINStation

- Ultra-Fast 256K Cache
- 8 MB RAM & Expandable to 128 MB
- 540 MB IDE hard disk
- PCI Enhanced IDE controller
- Teac 1.44 MB Floppy drive
- Diamond Stealth Video SE 2MB DRAM
- Tatung 15î Non-Interlace, .28mm, flat screen, MPR-II
- 2 UART-16550 serial ports
- 1 Enhanced Parallel Port
- Enhanced 101-key keyboard
- 16-bit Ethernet card

Intel 486DX-33 ...$1399.⁰⁰
Intel 486DX4-100 ...$1525.⁰⁰
Intel Pentium P5-75 ...$1625.⁰⁰
Intel Pentium P5-90 ...$1695.⁰⁰

TROGON Centennial Multi-Media

Pentium Multi-Media Sensation

- Intel Triton chip-set based Pentium motherboard
- Pentium CPU speed up to 180 Mhz
- Mid-Tower case w/230 Watt power supply
- 16 MB EDO memory capable
- 256 KB external writeback cache memory
- 1.2 GB enhanced IDE hard disk
- Toshiba Quad Speed IDE CD-ROM drive
- On-board PCI Enhanced IDE controller
- On-board Enhanced Parallel Port (EPP)
- On-board 2 UART 16550 serial ports
- #9 GXE64 2 MB DRAM PCI SVGA card
- MAG 17î DX17-F SVGA monitor, 0.26mm, FS,NI
- SoundBlaster 16 MCD sound card
- TEAC 1.44 MB floppy drive
- Focus 2001 keyboard with hard cover
- 14.4Kbaud Internal Fax/Modem w/Voice mail
- 100-watt Power speaker with Surround Sound
- Choice of CD-Bundle pack
- One year warranty parts and labor

Pentium 75 Mhz ...$2599.⁰⁰
Pentium 90 Mhz ...$2695.⁰⁰
Pentium 120 Mhz ...CALL

Your Networking Source

California Computer is dedicated to providing our [illegible] product you need in the specials listed, please ask your sales representative for more information.

Server Options

a) Upgrade to 2.0 GigaByte Fast SCSI-2 hard disk	...$ 450.00
b) Upgrade to 4.0 GigaByte Fast SCSI-2 hard disk	...$ 913.00
c) Plextor 6Plex 6x 145ms SCSI-2 Internal CD-ROM	...$ 555.00
d) Plextor 4Plex 4x SCSI-2 Internal CD-ROM	...$ 355.00
d) APC Smart-UPS 600 VA power backup unit	...$ 415.00
e) APC Smart-UPS 900 VA power backup unit	...$ 515.00
f) Powerchute Plus Software for Novell	...$ 75.00
g) Memory upgrade from 16 MB to 32 MB w/parity	...$ 615.00
h) Memory upgrade from 16 MB to 64 MB w/parity	...$1690.00
I) US Robotics 28.8Kbaud internal Fax/Modem	...$ 249.00
j) 3COM Linkbuilder FMS II 12 port HUB TP	...$ 625.00
k) Tiger 6 port Twisted Pair HUB RJ-45	...$ 175.00

WIN-Station Options

a) Upgrade to 850 MB Enhanced IDE hard disk	...$ 75.00
b) Upgrade to 1 GigaByte Enhanced IDE hard disk	...$ 190.00
c) Double Speed IDE CD-ROM drive	...$ 115.00
d) Quad Speed IDE CD-ROM drive	...$ 195.00
e) SoundBlaster-16 MCD Sound Card	...$ 85.00
f) Power Speaker set	...$ 55.00
g) CONNER 850 MB Internal Tape Backup drive w/cart.	...$ 299.00
h) Memory upgrade from 8 MB to 16 MB RAM	...$ 325.00
I) Upgrade 15î Color monitor to 17î MAG DX17-F	...$ 325.00

NOVELL Netware

a) Netware 3.12 4.1-User	...$ 589.00
b) Netware 4.1 10-User	...$1425.00
c) Netware 4.1 25-User	...$2075.00
d) Netware 4.1 50 - 1000 User	...CALL

yes Novell Certified NetWare Engineer

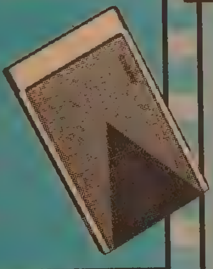
yes Novell Enterprise CNE

NOVELL NetWare Operating Systems

Call for your estimate on Network installation, cabling, and training

ICIA
UTION

PCMCIA



X/MODEM ...$135.⁰⁰

X/MODEM ...$325.⁰⁰

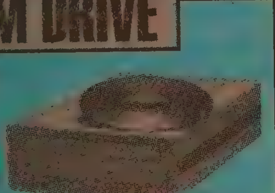
ET COMBO ...$135.⁰⁰

...$169.⁰⁰

ROM DRIVE

CIA

rnal



voluti on
new
xternal CD-ROM drive
ly plugs into your PCMCIA,
ot & gives you great performance.
WER REQUIRED !!!

$249.⁰⁰

TATUNG

CM-17MCR

- 1280 x 1024/.28mm (N.I.)
- 1024 x 768 at 75Hz Refresh
- Digital Control
- Multi-sync
- Dynamic Focus
- Flat Screen

$565.⁰⁰

yes NetWare Tested and Approved

yes It runs with NetWare

CM-15VBE

$345.⁰⁰

CM-14UAE

- 1024 x 768/.28mm (N.I.) at 60Hz Refresh
- Low Emission
- EPA

$225.⁰⁰

Protect Your PC Investment

We Offer... 4 Year On-Site Service Contract GE Consumer Service

TROGON

TATUNG Authorized Dealer

Optiquest

Canon Authorized Dealer

1 YEAR LABOR AND PARTS WARRANTY TCC

NANAO Authorized Dealer

Novell Certified

The CALIFORNIA COMPUTER

950 E. Colorado Blvd. Suite #102,
Pasadena, CA 91106
Hours: Mon-Fri, 9:30-6:00PM

818-568-1122

Fax: 818-568-1515

MasterCard VISA AMERICAN EXPRESS CARD Financing Available

All brand names are trademarks of their respective companies. Prices quoted base on 3% cash discount. Prices and specifications are subject to change without notice. TCC is not responsible for typographical or photographical errors. Financing are subject to credit approval.

Ask About our GE 3 Years Extended Warranty and 90 Day Same as Cash Financing Program

NETWORKING • BY PETER JOHN HARRISON

Web Servers Aren't Just For The Internet

The Potential Uses For An Internal Web Server, Available Primarily Or Even Exclusively To Employees, Are Almost Endless

By now just about anyone who has a pair of ears and a computer, television, or radio has heard about the World Wide Web and all the cool things you can find out there. The Web has a well-deserved reputation for being a place where you can find something about almost any topic, real or imagined, serious or not. So it makes sense that when someone mentions discovering a "Web page" or a "cool URL" that you assume they're talking about something out on the Internet somewhere. Stop to think for a moment, though, and you'll realize that the Web is just a collection of information with links and references to other related materials that are accessed via easy-to-use, intuitive software.

Now think about all of the things your organization prints and distributes to its employees: employee manuals, training materials, policy memos, product information, etc. This is often the type of information that is lost, discarded, or goes out of date and has to be reprinted and distributed, often at great cost. A well-designed set of Web pages that only your LAN users can access might be a better way to make sure your users have the best, most current information at their fingertips, while still saving money on printing and distribution costs.

If your organization wants to get creative, it can include pictures, as well as audio and video clips. Consider what can be done: Create a package of materials for new employees that includes a "Welcome Aboard" address from the company president and pictures of key managers or even the entire staff. You could put product information, promotional materials, and pricing online; Create a photo card catalog of key customers; publish conference room, meeting, and vacation schedules; and create a library of informational documents your staff could easily retrieve and fax to customers.

The potential uses for an internal Web server, available primarily or even exclusively to employees, are almost endless. You can present anything you distribute on paper using a Web server and browser.

RESOURCES:

Packet Driver Interfaces for LANs: *http://www.well.com/user/peterh/dcbwpktd.html*

Trumpet Winsock: *http://www.trumpet.com.au/*

WinHTTPD: *http://www.city.net/win-httpd/*

NCSA Mosaic: *http://www.ncsa.uiuc.edu/SDG/Software/SDGSoftDir.html*

Cello: *http://fatty.law.cornell.edu/cello/cellotop.html*

Internet Assistant: *http://www.microsoft.com/pages/deskapps/word/ia/default.htm*

CU-HTML: *http://www.cuhk.hk/csc/cu_html/cu_html.htm*

Convinced yet? Or perhaps you're only convinced that anything so useful must be hard to set up and maintain. Fortunately that's not the case. Setting up your own Web server and stocking it with documents is one of the most straightforward tasks in networking, and getting software to do it is cheap. Most of the software you need is shareware, available online for trial and inexpensive to register.

The first thing you need to set up a Web server or allow your users to view documents on your server is to set your network up so that it can run TCP/IP as well as your LAN's native protocol—combining TCP/IP with your existing network protocol won't adversely affect your network's operation. For most networking environments installing TCP/IP is fairly easy to do, though you do have to make changes to every computer that's going to use the Web server or other TCP/IP service. First, you'll need to install a TCP/IP "packet driver" in your NDIS or IPX network stack (see the Resources list for an online instruction sheet on how to do this), then Trumpet Winsock, another shareware title. (Note: this discussion focuses on setting up a Windows-based Web server.)

Once Winsock is installed, getting your Web server up and running is easy. Installing my favorite shareware Web server, WinHTTPD by Robert B. Denny, is as easy as creating a directory, C:\HTTPD, and unzipping the program files into it, though it's a good idea to read Denny's well-written online documentation (see Resources).

After installing the Web server, you'll need some software to browse the documents stored there. The current hot browser is Netscape, from Netscape Communications Corp., but if you want to cut a few corners there are also

continued on page 60

WHEN SERVICE AND QUALITY MATTER CALL MICRO LEAGUE

SPECIAL
Non-Interlaced
14"
SUPER VGA
MONITOR

- 1024x768
- .28mm dot pitch
- Non-Interlaced
- One Year Warranty

$179

90
DAYS FREE
FINANCING

"FREE" SUMMER 1995 ELECTRONIC PRICE BOOK *OVER 25,000 ITEMS. *SEARCH BY MANUFACTURER ITEM PART NO. OR DESCRIPTION. *UPDATED MONTHLY. *LIST OF MANUFACTURER'S PHONE NUMBERS, BULLETIN BOARDS, TECHNICAL SUPPORT. *CREATE PROFESSIONAL QUOTES.

Intel Pentium PCI

- Intel Pentium CPU w/Heat Sink & Cooling Fan
- 3-64 Bit PCI bus-master and ISA slots
- 256K Write-Back Cache
- 8MB RAM, upgradable to 128MB 70ns
- Teac 1.44MB 3.5" Floppy Drive
- Medium Tower Case w/250 Watt UL Green Power Supply
- Enhanced 1.2Gig IDE Hard Drive
- PCI Enhanced-IDE Controller 2S/1P/1G
- ATI PCI SVGA Controller w/2MB DRAM
- 14" SVGA Monitor, green, NI, Edge to Edge (1280x1024)
- 101 Enhanced Keyboard, Hi-Res mouse

Pentium 75MHz	$1599**
Pentium 90MHz	$1699**
Pentium 100MHz	$1799**
Pentium 120MHz	$2149**

Multimedia Kit

- 16 Bit CD Quality Sound Card
- Multimedia Magnetically Shielded Speakers
- Many CD Titles

DOUBLE SPEED CD-ROM	$219
TEAC 4x QUAD SPEED CD-ROM	$299

Vesa Local Bus Systems

- Pentium Upgradeable
- Intel CPU (Zif Socket)
- 256K Cache & Cooling Fan
- 8MB RAM (Exp. to 128MB)
- Teac 1.44MB 3.5" Floppy Drive
- Mini Tower Case w/230 Watt Power Supply
- Enhanced 540-MB IDE Hard Drive
- DTC 32-Bit VLB Enhanced IDE & I/O (2S/1P/1G)
- Trident 32-Bit VLB Super VGA Card w/1MB
- 14" SVGA, NI, 1024x768, .28, Edge to Edge Monitor
- 101 Enhanced Keyboard, Hi-Res Mouse

486DX2/66	$1049**
486DX4/100	$1139**

**w/purchase of GE Extended 4yr. On-Site Warranty

EPSON

ViewSonic

HEWLETT PACKARD

TOSHIBA

Canon

Panasonic Office Automation OA

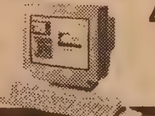
IBM Authorized Dealer

SCO

NEC

POWER PC

Authorized Dealer & Service Center



Apple® Power Macintosh™ 7100/80AV

- 80MHz Power PC 601 Processor
- 256K Cache
- 1MB VRAM
- Nine built-in ports
- Expandable to 136MB
- Built-in Ethernet
- Supports All Apple Displays
- KB Monitor not included

16/700/CD AV

$3199

NEW Apple® Power Macintosh 9500

- PCI Bus Architecture
- Quad Speed CD-ROM
- Memory Exp. to 768MB
- 6PCI Slots, 12DRAM Slots
- Built-In Ethernet, 2MB VRAM
- Monitor & KB NOT INC.

9500/120 16/1000/CD	$4495
9500/132 16/2GB/CD	$5199

Apple® Macintosh® Performa® 6115CD

- Complete System
- Power PC 60/160MHz
- 8MB RAM, 350MB HDD
- Apple Multiple Scan 15" Display
- KB, Monitor, Modem
- Global Village Teleport II 14.4
- Apple Design Keyboard, Mouse, Int. CD Drive

$1959

APPLE POWERBOOK

PowerBook 150, 68030-33MHz 4MB/120HD	$969
PowerBook 520, 68040-50/25MHz 4MB/240HD	$1799
PowerBook 520C, 68040-50/25MHz 4MB/160HD/240HD	$1895/$2095
PowerBook 540C,68040-66/33MHz 4MB/320HD	CALL

TOSHIBA *Authorized Service Dealer*

T1960CT 486DX2-50 4MB/200/320	$1895/CALL
T2100, 486DX2/50	
M 4MB/250HD	$1299
CS 4MB/350HD	$1999
CT 8MB/350HD	CALL
T2110 CS, 4MB/350 486 DX4/75 Color	$2099
T2130 CS, 8MB/520 486DX4/75	$2899
T2150, 486DX4/75 w/CD	
CDS 4MB/500HD	$2899
CDT 8MB/500HD	$3499
T4900CT Pentium 75 MHz, 8MB/810HD	$4315
Protege 610 Pentium 90 8MB/720HD	$4299

Authorized Warranty Repair Provider, On Site Service, Rental Delivery& Set Up, Training, Technical Support, Network Specialist.

IBM Authorized Advanced Product Dealer & Service Center
All IBM ThinkPads are available.

COMPAQ

Authorized Dealer & Service Center

ALL Deskpro, Prolinea, Prosignia, Proliant, Contura, LTE Models available at Lowest Prices. CALL US!

Authorized Service Center
IBM, COMPAQ, TOSHIBA, APPLE, OKIDATA, LEXMARK, HEWLETT PACKARD.

We provide On-Site service on all brands of Computers, Monitors and printers at affordable prices.

OKIDATA *Authorized Dealer & Service Center*

320/321 9PIN	$309/419
ML380, 24PIN	$215
520/521 9PIN	$375/489
590/591 24PIN	$425/CALL
Doc-it 3000, 300dpi, Laser, Fax, Scanner, Copier	$1099
OL400E, 300DPI, 4PPM	$399
OL 410E 600dpi 2MB	$529
OL410E/PS, MAC Comp.	$775

HEWLETT PACKARD *Authorized Dealer*

HP Laserjet 4L w/Toner	$489
HP Laserjet 4ML w/Toner	$899
HP Laserjet 5P w/Toner	$829
HP Laserjet 5MP w/Toner	$979
HP Laserjet 4+ w/Toner	$1349
HP Laserjet 4M+ w/Toner	IN STOCK
HP Laserjet 4V w/Toner	$1849
HP Laserjet 4MV w/Toner	NEW
Deskjet 540	$279
Deskjet/Deskwriter 660C	$469
Deskjet/Deskwriter 320 Portable	$299
Deskjet 1200C & 1200CPS	$959
HP ScanJet IIIC w/CTRL	$899
HP ScanJet IIIP w/CTRL	$349
NEW HP OfficeJet Fax/Copier	$695

TEXAS INSTRUMENTS

COMPAQ

CITIZEN

OKIDATA

Novell Gold Authorized Reseller

Authorized Dealer

HOURS: 9AM - 6PM M-F
10:30AM-4PM SAT

Corporate Accounts, Dealers, Government and School P.O.'s Welcome

CONTACT US THROUGH THE INTERNET:
MICROLEAGUE@DELPHI.COM

BBS 310-475-0109,,#11

ML MICRO LEAGUE INC.

1844 LINCOLN BLVD. (NORTH OF PICO) **SANTA MONICA, CA 90404**

310-450-2708
OUT OF STATE
800-466-2708
FAX (310) 452-1294

SINCE 1989 PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

Prices Good With This Ad Only. All Prices are Cash/Check Discounted.
*Price after manufacturer's rebate.

Apple, the Apple logo, LaserWriter, StyleWriter, Mac & Macintosh are registered trademarks of Apple Computer Inc.

Over 1,000 CD Titles In Stock

3ft - 6PAK	$25
7th Guest	15
A Line in the Sand	15
AAA Trip Planner	17
Adventures with OSLO	13
Aesops Fables & Cinderella	12
Aladdin & the Wonderful Lamp	12
All You Can Play	8
America Alive	13
American Heritage Talking Dictionary	19
Animals	12
Animation Tour	12
Arthur's Birthday	33
Arthur's Teacher Trouble	13
Asia Alive	13
Audubon's Birds	12
Audubon's Mammals	12
Battle Chess Enhanced	16
Berlitz Think & Talk, (7 CDs)	89
Bloodnet	23
Blown Away	15
Blue Force	18
BookShelf 95	30
Business 500	16
Butterflies	12
Butterflies of the World	15
C H A O S. Continuum	12
Central Intelligence	18
Children's Encyclopedia	16
Communication Master	8
Compton's Family Choice	14
Compton's Interactive 95	20
CookBook Heaven	14
Corel Draw 4/5	119/225
Corel Gallery	35
Critical Path	17
Dark Legions	17
Day of the Tentacle	17
Deathstar Arcade Battles	10
Deluxe Pack 4 (U S /World Atlas, Typing Tutor, Chess 4000)	15
Dictionary of the Living World	14
Dinosaur Encyclopedia	14
Doom Companion Edition	13
Dracula Unleashed	19
Dragon Lore	18
Dragon's Lair	24
Dune	15
Encore (3 games)	19
Encyclopedia of Life	16
Europe Alive	13
Family Doctor 3rd Ed	14
Family Education Collection	14
Family Fun	8
Family Pharmacist	17
Famous Novel	13
Farm Animals	12
Forever Growing Garden	18
Fractal Frenzy	15
Gabriel Knight	17
Game Collection	9
Game Galore	8
Game Library	10
Games Graphics Utilities	8
Geekwad	18
Goblins 1	15
Goblins 2	15
Graphic Works	20
Great Mysteries	15
Grolier's Encyclopedia '95	20
Grooves	15
Gus Goes to CyberTown	12
Health and Medical Industry Directory	10
Heather Hits her First Home Run/ Moving gives me a Stomach Ache	12
Helcab	25
Hell	18
High Techtures	14
Hobbe OS/2	15
Home Improvements	15
Home Office	16
Homebrewing Guide	22
How the World Works	18
I Can Spell	12
Image Warehouse	15
Inca	14
Indiana Jones	15
Indy Car	17
Infopedia	19
Internet Tools	16
Iron Helix	10
Jazz	15
Journeyman Turbo	18
Just Grandma And Me	15
Jutland	19
Kids Farm	12
Kings Quest V	10
Kings Quest VI	15
Kodak Photo CD	12
Languages of the World	14
Larry & the Haunted House	33
LawnMower Man	15
Learn to do Spread Sheets	15
Learn to do Word Processing	15
Legal Guide	14
Linux (Developers Resource)	16
Little Monster at School	33
Lord of the Rings	19
Lunicus	15
Macbeth	13
MacMillian Dictionary	15
Mad Dog McCree II	18
Magic Death	13
Man Enough	20
Mantis	10
Mario's Missing (DELUXE)	12
Mathematic's Library	13
Mayo Clinic	10
Mega Race	15
Microcosm	15
Microsoft Cinemania 94	25
Mogul	15
Monarch Notes	15
Monkey Island	12
Morphology 101	18
Mozart	10
MPC Wizard 3.0	15
MS Bookshelf 94	CALL
MS Dangerous Creatures	CALL
MS Dinosaur	CALL
MS Encarta 95	CALL
MS Money	CALL
MS Multimedia Beethoven	CALL
MS Multimedia Mozart	CALL
MS Multimedia Schubert	CALL
MS Musical Instruments	CALL
MS Works	CALL
Multimedia Family Bible	18
Multimedia US History	18
Music Shop Pro	15
NAS Car	23
Nat. Geographic Mammals	15
National Parks	14
New Kid on the Block	34
No Mad	16
Nomad	16
Operation Desert Storm	10
Outpost	19
Ozzies World	15
Parenting	14
Pharm Assist	25
Platinum Collection	9
Plug & Play Linux	22
Puzzle Puzzle	12
Quantum Gate	14
Quick & Easy Spanish	18
Rainbow Children Park	12
Reading Carnival	19
Rebel Assault	25
Return of the Phantom	18
Return to Zork	13
Reunion	18
Ringworld	18
Rise of the Robots	18
Ruff's Bone	33
Scary Poems for Rotten Kids/A Long Hard Day on the Ranch	14
Select Phone	69
SFX	13
Shuttle	20
SimCity 2000	15
Source Code (Walnut Creek)	16
Space & Astronomy (Walnut Creek)	17
Space Adventure	10
Space Shuttle	13
Speech Clip Lib	12
Spiders	12
Star Trek 25th Anniversary	20
Starwars Chess	15
Street Atlas USA	65
Sub War 2050	19
Syndicateplus	18
TFX	25
The Best Caching Software	8
The Bible Library	19
The Cat Came Back	15
The Hord	19
The Journey man project	15
The Legend of Kyrandia	25
The Paperbag Princess & Mudpuddle	12
The Psychotron	15
The Scientific & Technical Lib	25
The Tale of Benjamin Bunny	12
The Zoo	16
Time Almanac Reference Edition	17
Timetable of History Business Politics & Media	15
Timetable of History Arts & Entertainment	15
Tool Kit for Linux	22
Tornado	23
Tortoise and the Hare	34
Tuneland	22
Twains World	15
UFO	2
US Air Power	10
US Aircraft Carriers	10
US Battle Tanks	10
US History	15
USA Today	12
Vol. 1 & 2	13
Wacky Funsters	18
Walnut Creek Titles	14
Whales	12
What Air Can Do	12
Where in the World is Carmen San Diego	15
Who Killed Breet Denunce?	15
Who Killed Taylor French?	15
Who Shot Johnny Rock	20
Willy Wabbit	15
Wolf 30-D Mania	12
World Circuit	15
World Vista	12

EINSTEIN Multimedia Pack™...........$319

Panasonic or Toshiba 4 Plex Quad Speed, Multisession
16Bit Soundcard **Transfer Rate: 600KB/S**

Professional Multimedia Pack™....$235

Sanyo Quad SCSI
16Bit Soundcard
Seek Time: 195MS **Transfer Rate: 600KB/S**

INTELLECT Multimedia Pack™........$219

Teac or Mitsumi Quad Speed, Multisession
16Bit Soundcard
Seek Time: 195MS **Transfer Rate: 600KB/S**
Add $20 for SB 16

CLASSIC Multimedia Pack™...$159/144

Acer/Sony Double Spin, Multisession
16Bit Soundcard
Seek Time: 250MS **Transfer Rate: 350KB/S**
Add $20 for SB 16

All of the above packages include one pair of Amplified Speakers & 19 CD Titles: Grollier's Encyclopedia, RoboCop 3D, ChessMaster 2100, World Atlas V.4, Epic, Mario is Missing, Push-Over, Life & Death 2, Mario's Time Machine Deluxe, D/Generation, Contraption Zack, Might & Magic II, Dictionary of Quotable Definitions, Webster's New World Dictionary, Guide to Concise Writing, Desk Reference Dictionary of 20th Century History, Webster's New World Thesaurus, The National Directory, Legal & Corporation Forms.

EINSTEIN The

CD ROM

Toshiba SCSI Quad Speed 120MS 660KB	$249
NEC CDR 210 250MS 300KB Per Sec SCSI	99
Sony CDU55E 250MS 350KB/S NEW IDE	89
ACER Double Speed 250MS, 300KB/S	80
Plextor 4 Plex Quad Speed w/1MB Buffer	329
Mitsumi Quad Speed	159
TEAC Quad Speed	159
Toshiba Quad IDE	159
NEC Quad Speed SCSI	279

CALL FOR EXTERNAL CD ROM DRIVES

Sound Cards

SoundBlaster 16 Basic	$70
SoundBlaster 16 MCD	75
SoundBlaster 16 MCD ASP	129
SoundBlaster AWE 32 ASP	259
ACER 16 Bit SB comp. Soundcard	49

Modems

Rockwell 14,400 INT FAX MODEM/Ext	$49/79
U.S. Robotics 14.4 Internal Fax Modem/Ext	95/115
Cyrus Logic 14.4 Int. Voice Fax Modem/Ext	55/84
Rockwell 28.8 v.34 Int FAX MODEM/EX	129/149
U.S. Robotics 28.800 Int/Ext Fax	219/239

Controller Cards

IDE ISA Controller 2FD, 2H, 2S, 1P, 1G Port	$13
Enhanced IDE, VLB Controller 2FD, 2HD, 2S, 1P, 1G Port	20
PCI Enhanced IDE, I/O Controller	30
VLB IDE w/16550 UART 4HD, 2FL, 2S, 1P, 1G	35
ISA IDE w/16550 UART	39
Promise 2300 Plus	55
Promise Caching Cont.	99
NCR 810 PCI SCSI	69
NCR PCI Wide SCSI	125
Adaptec 1542CF	179
Adaptec 1515	109
Adaptec PCI 2940	199
Adaptec PCI 2940W	225
Adaptec VLB 2842	175
PCI IDE w/16550 UART UHD, 2FL, 2S, 1P, 1G	49

Tape Backup

CORE 250 Tape Backup	$99
Conner 420 Mg w/Tape Back Up	189
Conner 850 Tape Backup w/tape	210
Colorado 250 Tape Backup	129
Colorado 350 Tape Backup	135
Colorado Tracker 250MB	250
Colorado Tracker 350MB	350
SONY Dat 2. Gig SCSI	699
Exabyte 1,360MB, 9.3MB/Min.	269

Cases

Mini Tower	$35
Medium Tower	55
Full Tower	69
DeskTop	55

Keyboard

101 SoftTouch Keyboard	$15
Focus 2001 Keyboard	32
Focus 8000 Keyboard	39
Focus 9000 Keyboard	49

FOR ADULTS ONLY

3D Darlings	18
3D DressGirls	18
All American Hooter Heaven	25
Amateur Models	25
American Girls	20
American Girls 2	20
Amorous Asian Girls	25
Anal Attraction	10
Asian Palate	26
AP. . . Called Wanda	20
Babe Patrol	16
Biker Babes	18
Cafe Flesh	15
Clubcyberlesque	25
College Girls	15
Curse of the Cat Woman	17
Dirty Debutantes (InterActive)	25
Dirty Duo 2CD's	25
Dream Machine	29
Exotic Poses	20
Fao 2	15
Fun with Tits	10
German Adult Move	18
German Adult Photo's	18
Girls Doin Girls	20
Girls Games	20
Girls Girls Girls	20
Girls of Pleasure	25
Girls on Girls New Machine	17
Hidden Obsession	20
High Volume Nude	18
Hot Pics	20
House of Dreams	20
Interactive Adult Movie Almanac	29
Interactive Adventures of Seymore Butts	29
Kelly Eighteen	19
Lesbian Lust	10
Maddam's Family	30
Mask	20
Nasty Nurses	20
New Mandrin Adult 6 Pack V. 1 & 2	33ea.
Night Trips	20
Night Watch Interactive II	30
Oral Sex	10
Private Film	18
Private Prison Interactive	25
Put It in Gene	12
Scissors and Stones	29
Secrets	20
Sex	25
Seymore Butt 2	35
Sinful Girls	20
Sixty Nine	25
Squirt City	20
Space Sirens	38
Strippoker	25
T&A 2 The Maxx (vol. 1-6 Avail.)	15
Top Heavy	20
Topless Dancer	15
Vampire Kiss	38
Virtual Vixens	27
Urotsukidoji	19
Wander Cust	35
Wet Dreams	20
Wicked Whispers	15
Winner Takes All	35
Women on Wheels	20
World's Best Breasts	20

EINSTEIN SCSI SYSTEMS™

PENTIUM 120 MHz	**$3,399**
PENTIUM 100 MHz	**$3,129**
PENTIUM 90 MHz	**$3,029**
PENTIUM 75 MHz	**$2,929**

- Intel 64 Bit CPU w/Heatsink & Fan
- Intel Triton Motherboard 256 Cache
- 16MB RAM (exp. to 128)
- 1.44MB Floppy
- 2GB Fast Wide SCSI-3
- PCI Adaptec 2940W Fast SCSI Controller
- 2 High Speed 16550 Serial, Enhanced Parallel Port
- ATI Mach 64 or Diamond Stealth 64 w/2MB VRAM
- MAG DX 17F .26mm Energy Saving 1280x1024 Flat & Full Screen
- Mid-Tower w/235 Watts Power Supply
- Microsoft's Ergonomic Mouse
- FOCUS 2001 Enhanced 101

5 YR. LABOR WARRANTY 1 YR. PARTS

PENTIUM SCSI PROFESSIONAL SYSTEMS™

PENTIUM 120 MHz	**$2,499**
PENTIUM 100 MHz	**$2,199**
PENTIUM 90 MHz	**$2,099**
PENTIUM 75 MHz	**$1,999**
PENTIUM 60 MHz	**$1,899**

- Intel 64 Bit CPU w/Heatsink & Fan
- INTEL Motherboard Triton Chipset
- 16MB RAM (exp to 128)
- 1.44MB Floppy
- 900MB SCSI Hard Drive
- PCI ADAPTEC 2940 SCSI Enhanced Controller
- 2 High Speed 16550 Serial Enhanced Parallel Port
- ATI Mach 64 or Diamond Stealth 64 w/2MG SVGA Card
- 15" N.I. Monitor, Energy Saving, 1280 x 1024 Flat & Full Screen
- Mid-Tower w/235 Watts P.S.
- High Resolution Mouse
- 101 Enhanced Keyboard

5 YR. LABOR WARRANTY 1 YR. PARTS

NOW TAKE ADVANTAGE OF INTEL'S TRITON TECHNOLOGY

PENTIUM PCI LOCAL BUS PROFESSIONAL SYSTEMS™

PENTIUM 120 MHz	**$2,249**
PENTIUM 100 MHz	**$1,949**
PENTIUM 90 MHz	**$1,869**
PENTIUM 75 MHz	**$1,769**
PENTIUM 60 MHz	**$1,599**

- Intel 64 Bit CPU w/Heatsink & Fan
- Intel Motherboard Triton Chipset
- 256k Cache Memory
- 16MB RAM (exp to 128)
- 1.44MB Floppy
- 2 High Speed 16550 Serial, 1 Enhanced Parallel Port
- PCI Enhanced IDE Controller w/2S/1P/1G Port
- ATI Mach 64 or Diamond Stealth 64 w/2MG SVGA Card w/2MG
- 15" SVGA N.I. Monitor, Energy Saving, 1280 x 1024 Flat & Full Screen
- Mid-Tower w/235 Watts P.S.
- High Resolution Mouse
- 101 Enhanced Keyboard

5 YR. LABOR WARRANTY 1 YR. PARTS

PENTIUM PCI LOCAL BUS STANDARD SYSTEMS™

PENTIUM 120 MHz	**$1,739**
PENTIUM 100 MHz	**$1,399**
PENTIUM 90 MHz	**$1,329**
PENTIUM 75 MHz	**$1,229**
PENTIUM 60 MHz	**$1,129**

- Intel 64 Bit CPU w/Heatsink & Fan
- PENTIUM PCI Local Bus M.B. w/Zif
- 256k Cache Memory
- 8MB RAM (exp to 128)
- 1.44MB Floppy
- 540 IDE Hard Drive
- PCI Enhanced IDE Controller w/2S/1P/1G Port
- PCI SVGA w/1MB Video Accelerator Card
- 14" SVGA N.I. Monitor, Energy Saving, 1024 x 768 Full Screen
- Mid-Tower w/235 Watts P.S.
- High Resolution Mouse
- 101 Enhanced Keyboard

5 YR. LABOR WARRANTY 1 YR. PARTS

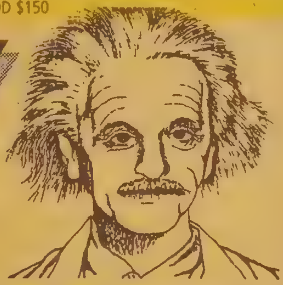
SUPERQUICK 486™

486DX4-100	**$999**
486DX2-80	**$979**
486DX2-66	**$929**

- Pentium Overdrive Ready Motherboard
- 256K Cache
- Fan & Heatsink
- 8MB RAM
- 540MB Hard Drive
- 1.44MB Floppy
- 14" SVGA N.I. Monitor Energy Saving Full Screen
- VL Bus SVGA w/1MG Video Accelerator Card
- VL Bus Super IDE Controller w/2S/1P/1G port
- 101 Enhanced Keyboard
- High Resolution Mouse
- Mini-Tower Digital Case w/235 Watts P.S.
- For PCI System ADD $150

5 YR. LABOR WARRANTY 1 YR. PARTS

TECHNOLOGY Smart Choice



Notebooks

IBM ThinkPad 755CE, 486DX4-100, 8MB RAM, 540MB HD, Active Matrix Color	**$3,999**
CTX E2783D, 486DX4-75, 8MB RAM, 340HD, Dual Scan Color	**1,999**
CTX NCED80-100~340W 486DX4-100, 8MB RAM, 340HD, Dual Scan, Color/Mono	**2099/1699**

Video Cards

Trident ISA w/1MG	**$59**
Trident 9400 Windows Accelerator N.G. A. up to 2MG	**67**
Trident PCI w/1MG	**75**
Trident PCI w/2MG	**110**
Kelvin 64 VLB w/1MG up to 2MG	**125**
ATI Mach 32 w/1MB D VLB/PCI	**99**
ATI Mach 64 PCI 2MB D	**179**
ATI Mach 64 PCI 2MB V	**245**
ATI Mach 32 ISA 2MB	**159**
ATI Mach 64 VLB 1 MB DRAM	**155**
ATI Mach 64 VLB 2 MB DRAM	**169**
ATI Mach 64 VLB 2 MB VRAM	**250**
64 Diamond Stealth VLB 1MG D	**125**
64 Diamond Stealth VLB 2MG D	**165**
64 Diamond Stealth VLB 2MG V	**260**
Diamond Stealth PCI 32 2MG D	**145**
Diamond Stealth PCI 64 2MG D	**159**
Diamond Stealth PCI 64 2MG V	**265**
ATI Mach 64 w/4MB VRAM	**399**

Monitors

Compaq 14" VGA Color	**$159**
Impression 14" N.I. 1024x768, 0.28mm, L.R. & Energy Saving, Edge-to-edge	**209**
MGC 15" N.I. 1280x1024, 0.28mm, L.R. & Energy Saving, Flat & Edge-to-edge	**289**
MAG 15" N.I. 1280x1024, 0.28mm, L.R. & Energy Saving	**330**
MAG 17" N.I. 1280x1024, L.R. & Energy Saving	**599**
Viewsonic 17G	**699**

Motherboards w/CPU

486SLC-33	**$59**
486DX2-66, 256K VESA Pent Ready Intel/Cyrix	**209/159**
486DX2-80 AMD 256K VLB	**185**
486DX4-100 Intel, 256K VESA Local Bus/AMD	**265/205**
Pentium 60 MHz, 256K Cache, PCI	**330**
Pentium 75 MHz, 256K Cache, PCI	**385**
Pentium 90 MHz, 256K Cache, PCI	**485**
Pentium 100 MHz, 256K Cache PCI	**559**
Pentium 120MHz, 256K Cache PCI (for Intel Triton)	**899**

Floppy Drives

Teac 1.2MB (5-1/4")	**$43**
Teac 1.44MB (3-1/2")	**33**
Teac Combo	**85**

CALL FOR NETWORKING SYSTEMS

Hard Drives

Maxtor or Conner 420MB	**$140**
Maxtor 540MB or Conner	**159**

Corporate, University and Government P.O.'s are welcomed.

560MB IDE	**149**
Samsung 420MB HD	**129**
Conner or MAXTOR 850MB	**189**
Conner 1.27 GB or Maxtor 1.26 IDE	**249/255**
Western Digital 1.27 Gig	**299**
Western Digital 850	**209**
Conner or Quantum/Micropolis 540MB SCSI	**189**
Conner or Quantum 1GB SCSI	**449**
Quantum 730MB IDE Lightning 11ms	**170**
Quantum 730 SCSI	**239**
IBM 4 Gig SCSI	**999**

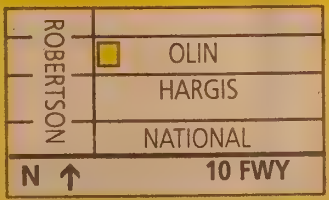
Memory

1 Meg x 30 Pins 70ns	**$31.99**
4 Meg x 30 Pins 70ns	**110**
4 Meg x 72 Pin	**129**
8 Meg x 72 Pin	**249/269**
16 Meg x 72 Pin 70ns	**469**

Parts

Midi Adapter	**$18**
115 Watts Amplified Shielded Speaker	**49**
HP Toner Cartridge 95A	**50**

Tel: (310) 836-4441
Fax: (310) 836-6060
2812 1/2 S. Robertson Blvd.,
Los Angeles, CA 90034



NOW HIRING SALES & TECHNICIANS

HOURS:
M-F 10AM-6PM
Sat. 10AM-6PM
Sun. CLOSED

Terms and conditions: All of the above prices reflect 3% CASH or CHECK discount. Customers who pay CASH receive an additional 3% discount Does not apply to resellers Defective merchandise is exchangeable for the same item only. Not responsible for any typographical errors. Prices and configurations are subject to change w/out notice.

Robert Austin
Computer Shows

Orange County's
Largest
Computer Show

The Family
& Business Show
No Adult Material

UPCOMING SHOWS

Anaheim Stadium
July 29, 1995
2000 State College Blvd,
Anaheim - Admission $5

Anaheim Stadium
August 19, 1995
2000 State College Blvd,
Anaheim - Admission $5

Anaheim Stadium
September 16, 1995
2000 State College Blvd,
Anaheim - Admission $5

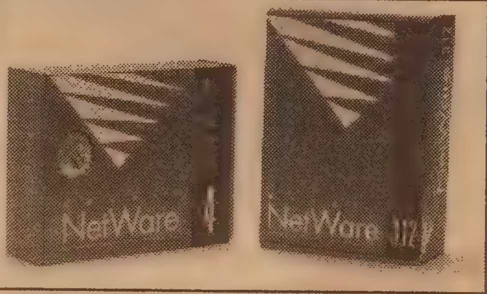
- ▶ *Liberal warranties and exchange policies on most products.*
- ▶ *Hundreds of experts available to answer your questions.*
- ▶ *Now over 150 booths of products. Shop, Compare and Save!*
- ▶ *Learn about the latest technology.*
- ▶ *Attend seminars by the experts.*

All shows open from 10am to 4pm
Kids 12 & under are always FREE!
For info: 1-800-346-0100

NOVELL NETWARE

We Have Every Novell Item In Stock Including NetWare 4.1 New Version

NOVELL
NETWORK
SPECIALISTS



We Will Beat Any Advertised Price in the Bay Area!

- Novell Netware v3.12 Any User
- Novell Netware v4.1 Any User
- Unixware/Other Novell Products
- NE2000 Plus Network Adapter (Combo, Jumperless)
- LAN Starter Kits

CALL FOR BEST PRICE!

MONTHLY SPECIALS

NOVELL NETWARE
v3.12 or 4.1
5&50 USER Original or OEM Version
5 USER $530/470
50 USER $2095/1795
PERSONAL NETWARE
(Limited Quantities) $20

"Serving All Of California's Networking Needs Since 1989"

APEX RESEARCH
298 S. Sunnyvale Ave. Suite 103
Sunnyvale CA 94086
1-800-363-1092
(408) 733-1277
Fax: (408) 733-1276

Corporate, Volume Buyers PO's Welcome
Resellers Welcome

Networking

continued from page 56...

freeware browsers available online. Mosaic, from the National Center for Supercomputing Applications at the University of Illinois does most of the things Netscape does, and it's free. You can also use Cello (like the musical instrument), which doesn't have all the features of Netscape or Mosaic, but uses less memory and disk space, and is easier for the Web novice to learn.

Of course, no Web site is complete without its own Web documents, and while WinHTTPD comes with its own Web document documentation, that's probably not what you had in mind. For basic Web publishing needs, nothing beats using your own, familiar word processor to edit documents, and if Microsoft Word for Windows is your word processor of choice, you're in luck. There are two sources I know of for MS Word "document templates" that allow you to use your familiar word processor to edit basic, no-nonsense Web documents that combine text and graphics. One is Microsoft's Internet Assistant, which is free to all MS Word for Windows 6.0 users. The other template is Chinese University's CU-HTML, which works with MS Word for Windows versions 2.0 and 6.0, and is also free.

> You can present anything you distribute on paper using a Web server and browser.

Having your own internal Web server is a great way to help keep people in your company informed, but there's another advantage to setting up an internal server . It helps you and the people you work with get a handle on the Web and how it works, and how to use it to your company's advantage.

Perhaps doing business on the Internet isn't a priority for you today, but it might be tomorrow. By setting up an internal server, you're giving yourself the opportunity to develop some Web expertise, away from the eyes of the general public, and that understanding may help you compete in a world where people often drive a computer to work instead of their car. ■

Copyright © 1995 by Peter John Harrison. All rights reserved.

MICROSOURCE IS YOUR SOURCE • MICROSOURCE IS YOUR SOURCE • MICROSOURCE IS YOUR SOURCE • MICROSOURCE IS YOUR SOURCE

SEAGATE • SHAMROCK • FUJITSU • SYQUEST • KFC • VIEW SONIC • HEWLETT PACKARD • EPSON • SHARP • IBM • AST • MAXTOR • CONNER • OKIDATA • TOSHIBA • EPSON • SHARP

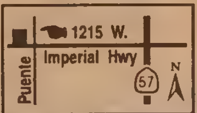
SHARP • EPSON • TOSHIBA OKIDATA • CONNER • MAXTOR • AST • IBM • SHARP • EPSON • HEWLETT PACKARD • VIEW SONIC • KFC • SYQUEST • FUJITSU • SHAMROCK • SEAGATE

WHOLESALE PRICES TO THE PUBLIC WE WILL TRY TO BEAT ANY ADVERTISED PRICE

MicroSource
COMPUTERS

Phone: (714) 526-0184 • Fax: (714) 526-0183

DON'T PAY FOR THREE MONTHS
ON OUR ALREADY LOW PRICES*



Financing Available

Leasing Option Available Up to $2 Million to Business Owners

*All systems come with 1 year parts and labor warranty. Prices and product availability are subject to cha~ge without notice. Call for current prices. We are not responsible for typographical errors. Prices reflect a 3% cash discount. Financing is based on approved credit.

1215 W. Imperial Hwy., Ste. 100, Brea, CA 92621

Mon–Fri 10:30 A.M.–7:30 P.M., Sat 11:00 A.M.–5:00 P.M.

486DX2-66 VLB
w/256k Cache

- 420MB HDD, 4MB RAM, 1.44MB FDD
- 14" SVGA Color 1024x768 Monitor
- 32 Bit 1MB Window Accelerator
- 32 Bit Enhanced VLB Controller w/ 2S,1P,1G
- Digital Case w/230W Power Supply
- 101 Enhanced Keyboard

486DX2-66
$739

$25/ Month*

486DX2-66		Multimedia	$899
486DX4-100	$799	Multimedia	$959
486DX-120	$869	Multimedia	$999

Pentium PCI Super Power
75/90/100/120 MHz w/256k Cache

- 540MB Fast IDE HDD
- 8MB RAM, 1.44MB FDD
- 14" SVGA Color 1024x768 Monitor
- Diamond Stealth PCI Video
- PCI Enhanced IDE, 2S, 1P, 1G Controller
- Super Digital Mid Tower
- 101 Enhanced Keyboard

intel inside

75MHz
Pentium
$1109

$31-45/ Month*

Pentium 90MHz	$1199
Pentium 100MHz	$1299
Pentium 120MHz	$1599

YOU ASKED FOR IT!

Pentium 75 MHz Multimedia w/ Printer & Monitor

Super 4X Quad speed CD ROM
16 Bit sound Card
100+ Watt Shielded Amplified Speakers
15" Flat Screen 1280x1024 0.28 N.I. Monitor
540 MB Hard drive
8 MB RAM
Fast Enhanced IDE Controller
2 Serial, 1 Parallel, 1 Game Port
Window & Dos Accelerator Video Card w/1MB
1.44 MB Foppy Drive
14.4k Data/Fax MODEM

Super 4X Digital Mid Tower
101 Enhanced Keyboard
Hi Resolution Mouse
HP Deskjet 540 Printer
Free America on Line / CompuServe
$500 worth of Software Free
including
MS Money, MS Works, MS Golf
Ancient Land
Microsoft Encarta 95
Grollier 95 Encyclopedia
& 7 more CD Titles
+ No Payments for 90 Days!

75 MHz
Pentium $1779

$50/ Month*

486DX4-100 $1599

486DX2-66
w 256k Cache 4 PCI, 2 VLB, 2 ISA
ZIF Socket, Pentium Ready
ONLY $119.99

486DX4-100
w/256k Cache 3VLB
ZIF Socket, Pentium Ready
ONLY $175.99

HP 540 Printer
$205.99

WE WILL
UPGRADE YOUR RAM
any type, any brand. 30 pin to 72 pin
@ unbelievable prices.

SONY 4X SPEED
CD ROM Drive
$145.99

We do UPGRADES

You
can get a
PENTIUM 75 MHz
Mother Board w/CPU
for ONLY
$279.99
w/ trade in of
your 486DX2-66

SIMMS MEMORY

1MB 30 pin 70 nS	$32.99
4MB 30 pin 70 nS	$116.99
4MB 72 pin	$125.99
8MB 72 pin	$245.99
16MB 72 pin	$455.99
32 MB 72 pin	$899.99

MULTIMEDIA
UPGRADE KITS

MITSUMI /TEAC QUAD SPEED
- 4X CD ROM Drive
- Sound Blaster 16 by Creative Labs
- Labtec Amplified Speakers
- 2 CD Titles

$235

SONY 4X/2X Speed Package
- SONY CD ROM Drive
- 16 Bit Sound Card
- 14 CD Titles w/Encyclopedia
- Labtec Amplified Speakers

SONY 2X 55E **$159** SONY 4X 78E **$219**

QUAD SPEED SCSI II
- Toshiba 4X Speed CD ROM Drive
- Sound Blaster 16 SCSI II
- Labtec Amplified Speakers

$369

MOTHERBOARDS
w/ CPU & Cache

Intel 486DX2-66 VLB Green Pentium Rdy. 256k	$185
486DX2-80 VLB Green Pentium Ready 256k	$159
486DX4-100 VLB Green Pentium Ready 256k	$175.99
Pentium 133MHz w/CPU & 256k Cache	$1169
Pentium 120MHz w/CPU & 256k Cache	$839
Pentium 100MHz w/CPU & 256k Cache	$515
Pentium 90MHz w/CPU & 256k Cache	$429
Pentium 75MHz w/CPU & 256k Cache	$341

CD ROM DRIVES
& SOUND CARDS

SONY 2X 55E	$89.99
SONY 4X 76E	$145.99
Mitsumi 4X	$159.99
Teac 4X	$295.99
Toshiba SCSI 3601B SCSI 4.4X	$279.99
Toshiba 5301B SCSI 4X	$269.99
Toshiba 5302 B IDE 4X	$169.99
CREATIVE LABS Sound Cards	
Sound Blaster 16 Bit	$69.99
Sound Blaster 16 w/ASP	$79.99
Sound Blaster 16 SCS II	$99.99
Sound Blaster Awe 32	$169.99

ACCESSORIES

Enhanced Controller Card w/fast I/O 16550	$29.00
TAPE BACKUP	
Colorado 250 MB Tape Backup	109.99
NET WORKS	
NE-2000 compatible combo ether Net	$29.99
FAX MODEMS	
FAX MODEM 14.4k	$39.99
FAX MODEM 28.8k	$119.99
VIDEO CARDS	
Diomond Stealth PCI 1MB/2MB	$89/159
ATI Mach 64 PCI 2MB DRAM/VRAM	$159/$249
1MB 32 Bit VLB Video Card	$69.99
MONITORS	
14" 0.28 N.I. Color Monitor	$189.99
15" 0.28 N.I. Color Monitor	$289.99
17" 0.26 N.I. Color Monitor MAG	$595.00

HARD DRIVES

CONNER	
420MB Enhanced IDE	$135.99
540MB Enhanced IDE	$155.99
850MB Enhanced IDE	$179.99
1.2GB Enhanced IDE	$239.99
1.0GB SCSI II 9mS	$360.99
2.1GB SCSI II 8.5mS	$739.99
4.0GB SCSI II 8.5mS	$1029.99
MICROPOLIS	
3.0GB SCSI II	$729.99
4.3GB SCSI II 8.5mS	$1299.99
9.0GB SCSI	$2189.99

QUANTUM	
540MB Enhanced IDE 11mS	$159.99
540MB SCSI II 11mS	$175.99
850MB SCSI II	$230.99
1.08GB SCSI III 8.5mS	$345.99
2.15GB SCSI III 9.5mS	$715.99
4.1GB SCSI III 8.5mS	$1025.99
MAXTOR	
540MB Enhanced IDE	$155.99
850MB Enhanced IDE	$179.99
1.2GB Enhanced IDE	$239.99
WESTERN DIGITAL	
850MB Enhanced IDE	$199.99
1.2GB Enhanced IDE	$279.99

HEWLETT PACKARD Authorized Dealer
We carry a wide range of Printers & Scanners

HEWLET PACKARD	
HP DeskJet 540	$205.99
HP DeskJet 560C	$379.99
HP DeskJet 660C	$445.99
HP LaserJet 4L	$478.99
HP LaserJet 4Plus	$1339.99
HP DeskJet 1200C	$929.99
HP DeskJet 1600C	$1259.99
ScanJet 3P	$299.99
ScanJet 3C	$869.99
ScanJet 3CX	$869.99
LEXMARK	
Optra R 1200 DPI 12 PPM	$1349.99
Optra 16E	$2840.99

CANNON	
BJC 600E	$459.99
BJC 4000	$339.99
LBP 1260	$1224.99
OKIDATA	
OL 400 E	$388.99
OL 410 E	$508.99
OL 1200 E	$1039.99
EPSON	
Epson Color Stylus	$439.99
NEC	
Super Script 3000 Color	$899.99
Super Script 6601 600x600 DPI	$869.99
Super Script 610 Plus 300x300 DPI	$869.99

MICROSOURCE IS YOUR SOURCE • MICROSOURCE IS YOUR SOURCE • MICROSOURCE IS YOUR SOURCE • MICROSOURCE IS YOUR SOURCE

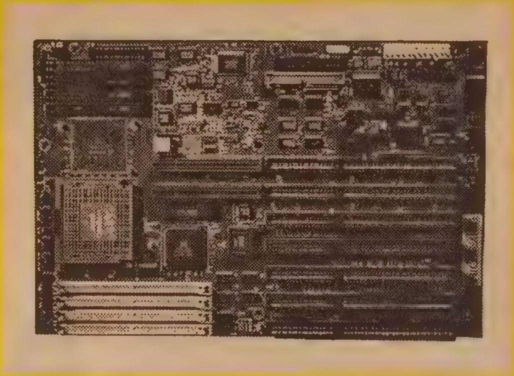
MICRONICS

MICRONICS

intel inside

MICRONICS

MOTHERBOARDS



TRITON/EDO PENTIUMS

IN STOCK

THE BEAST

$1599

- ★ MICRONICS M54HI PCI Motherboard/90MHz
- ★ 8MB SIMM Memory: 70ns
- ★ 1.2MB/1.44MB TEAC Floppy
- ★ 420MB Western Digital #2420 Hdrive
- ★ Micronics PCI Hi-Speed Ctlr/Onboard
- ★ Gateway Anykey Programmable Keyboard
- ★ Authorized MICRONICS Distributor
- ★ Intel Triton Chipset

SON OF BEAST

$1899

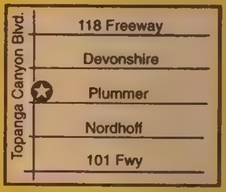
- ★ MICRONICS M54HI PCI Motherboard/90MHz
- ★ Stealth 64 Accelerator/2MB
- ★ 8MB SIMM Memory/EDO
- ★ 1.2MB/1.44MB TEAC Floppy
- ★ 1.2GB Western Digital Hdrive
- ★ Micronics PCI Hi-Speed Ctlr
- ★ Gateway Anykey Programmable Keyboard
- ★ Authorized MICRONICS Distributor
- ★ Intel Triton Chipset

CUSTOM NETWORKING & MULTIMEDIA.

IBM HEWLETT PACKARD

TOSHIBA COMPAQ

MANZANITA SOFTWARE



7th Year, Member of the Better Business Bureau

We've Moved!

WE STOCK MICRONICS

MICRONICS is a Member of the VESA & PCI Committee

Authorized MICRONICS Distributor Since 1987

* The Intel Logo is a trademark of the Intel Corporation.

3-6 COMPUTERS

9588 Topanga Canyon Blvd. Chatsworth, CA 91311
PHONE 818-734-6828 • FAX 818-734-6815

TELECOMMUTING • BY ROBERT MOSKOWITZ

Is Clean Air [De]Regulation Spoiling The Telecommuting Party?

Those Who Push For Increased Telecommuting On The Basis Of Clean Air Regulations May Soon Find Themselves Without A Leg To Stand On

The climate is changing. Not just the thickness of the ozone layer, the average global temperature, or the acreage of rain forests remaining. We're talking about the web of regulations aimed at cleaning up the environment by restricting the number of commuter trips people can take to and from the facilities of large employers.

Over the past decade, these regulations began to grow pointed teeth, and corporations slowly began to move in the direction of reducing the number of commuter trips to their facilities. Many appointed a formal Employee Transportation Coordinator to help usher them toward greater compliance.

Readers of this space will remember that a couple of years ago, while lamenting the continuing reluctance of managers to try telecommuting, I noted:

> It's not surprising, therefore, that at present most companies offering their employees a telework option have been driven to do so by some immediate force for change: the impending expiration of an office lease, for example, or the company's continuing inability to hire and retain enough highly skilled workers to staff an office forty hours per week, or the threat of financial penalties if the company does not comply with environmental regulations regarding how its employees arrive at work.
>
> The fact that companies try telework—even if they must be forced to do so—works to the advantage of everyone involved. Results will be even better when telework stops being a last resort, and becomes a popular, proactive element in plans to help already successful companies achieve greater efficiency and productivity.

I also wrote that environmentally oriented regulation "provides people who'd personally like to begin telecommuting with a means of waking up their employer."

But many observers—myself included—believed that short-term pressure for compliance with environmental rules was really peripheral to the central reasons why telecommuting should—and will—grow.

Now, we may soon have a chance to test that theory in practice.

No less an authority than Gil Gordon, one of the preeminent consultants in the field of telecommuting, is beginning to believe that we may soon see the end of the so-called "clean air" regulations. Based on the rumblings he hears within state governments, and his reading of federal politics, Gordon makes a strong case for why those who push for increased telecommuting on the basis of clean air regulations may soon find their arguments without a leg to stand on.

First, Gordon argues that the reign of the Republicans—whether or not you agree with their philosophies and tactics—is not conducive to continued support of environmental regulation. "This" he says, "is exactly the kind of 'too much government' regulation they are going to try to chop out at their earliest convenience."

While no regulation from Washington is well received in the "heartland," regulations to clean up air and water have long been held up by certain groups within the US as prime examples of government becoming too intrusive, even when those actually regulated do not complain!

One mistake that many people make is to view telecommuting as just another way to cut down on air pollution.

Second, Gordon believes that today's clean air regulations are very soon likely to lose whatever teeth they may now have. "At the federal level," he points out, "the real threat in this legislation has always been the ability to withhold federal transportation funds if standards are not met. But given the kind of presidential race Clinton is going to face next year, I don't believe he's going to withhold that kind of political pork."

When Bush was fighting for reelection, he supported ISTEA legislation to the tune of about $151 billion. In grand presidential style, Bush said his innovative funding initiative meant "jobs, jobs, jobs" and he was right.

"In the heat of battle," argues Gordon, "it will be hard for Clinton to let restrictions on transportation funding go through, no matter how badly communities miss the clean air regulation targets."

Third, people at the state level are beginning to retreat from earlier statements about how stringently they will enforce clean air regulations. "State governments have always gotten a lot of pushback from the corporate community about this," Gordon reports, "and now it's growing worse."

He recalls a meeting he attended about two years ago, where people from a state transportation department were talking to large employers about various elements of their trip reduction programs. At one point, Gordon remembers, talk turned to imposing punitive fines. It came out that the most an employer might have to pay for total noncompliance would be $60,000 per year. Immediately, one executive stood up and asked, "Where do we send the check?"

> "Compliance with trip reduction regulations is the worst reason to do telecommuting. I've noticed that if you're only doing something because someone is chasing you with a club, as soon as they stop chasing, you stop running."
>
> —Gil Gordon, telecommuting consultant

Even back then, Gordon suggests, mandated fines were a great deal smaller than the cost of compliance with clean air regulations. Many employers let it be known that they'd prefer to pay the fines than twist their companies out of shape, incur staff time, run surveys, and cajole their employees to meet regulations imposed from above.

"From the beginning," says Gordon, "their hearts were not in it. We might have gotten more support for telecommuting if we had positioned it as an antigridlock measure rather than as an antipollution idea. Employers may feel the impact of pollution, but probably to a lesser extent than they feel traffic problems, which impact them and their key employees very directly."

Gordon and others who see the potential for environmental regulations to wither away are not arguing that all clean air regulations should be dismantled. Rather, some of these same observers have suggested that different approaches to regulation might create a bigger impact on the environment, at a lower cost.

Regulatory Changes Will Impact Telecommuting

Gordon and others believe that if clean air regulations are weakened to any significant degree, there will be a variety of important impacts on the package of incentives now supporting telecommuting:

1) Those who want to become telecommuters will need to find another "hook" to help them schedule meetings with corporate decision-makers.

2) Those among supervisory and management ranks who are consid-

MICRO HUT (213) 627-1339

Unique Products for an Unique World Downtown LA . Mail Order

Seagate External Hard Drive (IBM or Mac)

			CACHE	IDE Parallel	SCSI-2 Cent-50	SCSI-2 Mini-50
520MB	CALL	CALL	CALL	$298	$298	$348
1.0GB	ST31220N	9ms	512K		$588	$638
2.1GB	ST32430N	10ms	512K	*Best*	$848	$898
2.1GB	ST32550N	8ms	512K	*Price*	$1,128	$1,178
4.3GB	ST15230N	9ms	512K	*Guarantee*	$1,198	$1,248
4.3GB	ST15150N	8ms	1MB		$1,518	$1,568
9.0GB	ST410800N	11ms	1MB		$2,698	N/A

Seagate External WIDE SCSI Hard Drive

			CACHE	WIDE Mini-68		
1.0GB	ST31230W	9ms	512K	CALL	*Best*	*Other*
2.1GB	ST32550W	9ms	512K	$1,298	*Price*	*brands are*
4.3GB	ST15230W	9ms	512K	$1,588	*Guarantee*	*avaliable*
4.3GB	ST15150W	8ms	1MB	$1,888		

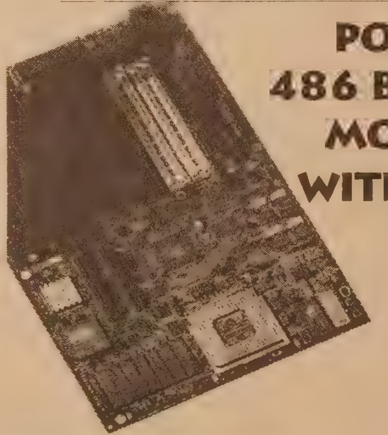
Toshiba 2.5" Notebook Hard Drive

			CACHE	Height	E-IDE Internal	External
540MB	1924FCV	13ms	128K	12.7mm	$388	$488
810MB	1926FCV	13ms	128K	12.7mm	$598	$698

Microsoft Natural Keyboard. $75 each. NEW

THE TRUE UPGRADE TO 486 POWER!

POWERFUL IBM 486 BLUE LIGHTNING MOTHERBOARD WITH 75 MHZ CPU



- IBM Made CPU w/16KB Internal Cache
- Math Co-Processor Installed
- 256K Cache Memory, upgradable to 512 K
- Supports up to 64 MB RAM (72 pin SIMMs)
- Pentium® OverDrive® P24T Ready ZIF Socket
- On Board VLB IDE Controller (supports 1 GB)
- On Board Two UART16550 Serial Ports
- On Board Bi-direction and ECP Parallel Port
- 2 VESA Local Bus Slots, 7 ISA Slots

CALIFORNIAN SPECIAL ONLY THIS MONTH! $229.00 TAX INCLUDED! WOW!

SIMMs CONVERTER ONLY $28.00/PC
Converts 4 pcs of 30 pin SIMMs to a 72 pin SIMM.
Save lots of $$$ when upgrading! Only $20 w/purchase.

14,400 Baud Fax Modem w/Voice Mail $59.00!
Toshiba/Mitsumi Quad Speed EIDE CD-ROM Drive $180.00!

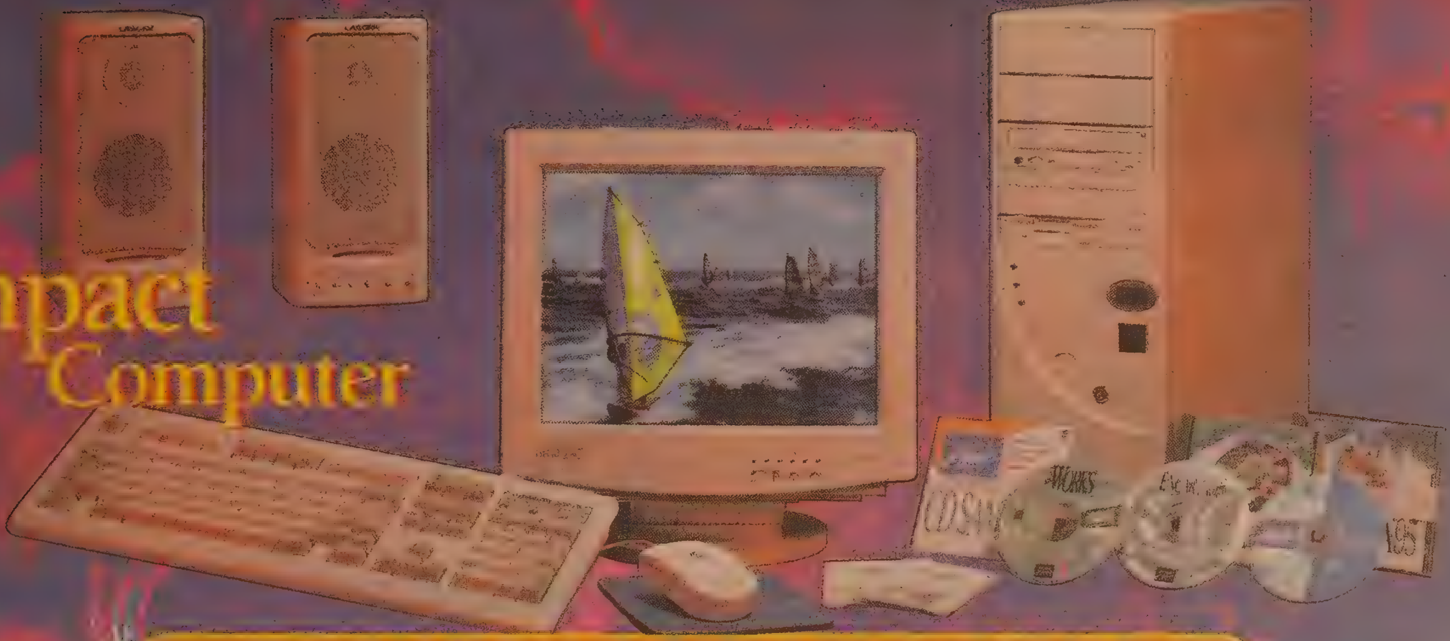
To order call: 1-800-275-1668

SEEWHY COMPUTER SYSTEMS
1424B South Azusa Ave, West Covina, CA 91791
Fax: (818) 916-1080 Email: SEEWHY88@AOL.COM

Store Hour: 9am-7pm Mon-Fri
9am-6pm Sat (All PST)
Tech Support Line:
(818) 916-1088

Prices do not include tax, nor shipping and handling charges. Prices & availability subject to change. All prices reflect 1% Cash Discount. We accept VISA, Mastercard, Discover Card, American Express and C.O.D. Cash. There is a $5.00 C.O.D. Charge. All products tested. All sales are final. 15% restocking fee on approved return items. Penitum and OverDrive and tradmarks of Intel Corporation..

Impact Computer



Tel: (818) 582-8821

Double Speed MultiMedia Station 1
8MB/540MB/2x or 4x

- 486DX-2/4 66/75/80/100 MHz
- 256K Cache
- 8MB RAM/540MB IDE Hard Drive
- Teac 1.44MB Floppy Drive
- VESA IDE Enhanced FD/HD Controller
- VESA 32-Bit SVGA Card (1MB)
- 15" SVGA Monitor N-1 (1280x1024, .28dpi)
- 101 Keyboard, 3-Button Mouse
- Medium Tower Case
- Double Speed CD-ROM
- Sound Blaster 16 Sound Card
- Surround Speakers (115 Watt PMPO)
- MicroSoft Encarta, MS Works, MS Money, MS CD-Sampler

INTEL 486DX-2	66MHz	$1299
INTEL 486DX-4	100MHz	$1379
AMD 486DX-4	100MHz	$1299

MultiMedia Station 2
8MB/540MB/2x or 4x

- 486DX-2/4 66/75/80/100MHz
- 256K Cache
- 8MB RAM/540MB IDE Hard Drive
- Teac 1.44MB Floppy Drive
- VESA IDE Enhanced FD/HD Controller
- VESA 32-Bit SVGA Card (1MB)
- 15" SVGA Monitor N-1 (1280x1024, .28dpi)
- 101 Keyboard, 3-Button Mouse
- Medium Tower Case
- CD-ROM
- Sound Blaster 16 Sound Card
- Surround Sound Speakers (115 Watt PMPO)
- MicroSoft Encarta, MS Works, MS Money, MS CD-Sampler

INTEL 486DX-2	66MHz	$1379
INTEL 486DX-4	100MHz	$1449
AMD 486DX-4	100MHz	$1379

Pentium Triton Chipset 120 MHz Workstation 3
8MB EDO/1.2GB/15"

- P-90/100/120 MHz
- 256K Cache
- 8 MB EDO RAM
- 1.2GB HD
- Teac 1.44MB Floppy Drive
- PCI Enhanced FD/HD CTR
- PCI ATI SVGA Mach 64
- 15" SVGA Monitor N-1 (1280x1024, .28dpi)
- 101 Keyboard, 3-Button Mouse
- Medium Tower Case

Pentium	90MHz	$1680
Pentium	100MHz	$1775
Pentium	100MHz	$2100

Pentium Station 4
8MB/540MB/15"

- P- 75/90/100 MHz
- 256K Cache
- 8MB RAM/540MB IDE Hard Drive
- Teac 1.44MB Floppy Drive
- PCI IDE Enhanced FD/HD Controller
- PCI ATI SVGA Card (2MB)
- 15" SVGA Monitor N-1 (1280x1024, .28dpi)
- 101 Keyboard, 3-Button Mouse
- Medium Tower Case

Pentium	75MHz	$1349
Pentium	90MHz	$1429
Pentium	100MHz	$1509
Pentium	120MHz	$1819

Pentium MultiMedia Station 5
8MB/540MB/15"/2x or 4x

- P- 75/90/100 MHz • 256K Cache
- 8 MB RAM/540MB IDE Hard Drive
- Teac 1.44MB Floppy Drive
- PCI IDE Enhanced FD/HD Controller High Speed
- PCI ATI SVGA Card (2MB)
- 15" SVGA Monitor N-1 (1280x1024, .28dpi)
- 101 Keyboard, 3-Button Mouse
- Medium Tower Case
- Double Speed CD-ROM
- Sound Blaster 16 Sound Card
- Surround Sound Speakers (115 Watt PMPO)
- MicroSoft Encarta, MS Works, MS Money, MS CD-Sampler

		2xCD	4xCD
Pentium	75MHz	$1595	$1669
Pentium	90MHz	$1675	$1749
Pentium	100MHz	$1755	$1839
Pentium	120MHz	$2065	$2149

Pentium MultiMedia Super Station 6
Adaptec SCSI/16MB/1GB/17"

- P-90/100 MHZ
- 256K Cache
- 16MB RAM/ 1GB SCSI Hard Drive
- Teac 1.44MB Floppy Drive
- ADAPTEC 2940 SCSI II Controller
- PCI ATI SVGA Card (2MB)
- MAG DX-17FE 17"Digital Control SVGA Monitor N-1(1280x1024, .28dpi)
- 101 Keyboard, 3-Button Mouse
- Medium Tower Case
- Quad Speed CD-ROM
- Sound Blaster 16 Sound Card
- Surround Sound Speakers (115 Watt PMPO)
- MicroSoft Encarta, MS Works, MS Money, MS CD-Sampler

Pentium	90MHz	$2519
Pentium	100MHz	$2619
Pentium	120MHz	$2929
Pentium	133MHz	$3229

9440 Telstar Ave. #3, El Monte, CA 91733 Fax: 818-582-8845

Authorized Dealer & Service Since 1995

SAGER & PROSTAR Notebooks

PROSTAR NP9600

No. 1 Selling Model

BYTE Magazine special report, "Pentium Power without Sticker Shock"

- P5 - 75/90/100
- 256K Ext. Cache
- Removable HDD (340M/520M/810M/1.35GB)
- 8MB RAM (16/24/40)
- 32 bit VGA w/1MB
- Stereo Sound Card
- PCMCIA IV (II & IV) Slot
- 25mm Trackball
- NiMH Hot Swap Battery
- 10.3" Dual Scan or 10.2" Active Color

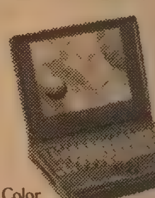
Starting at $2195

SAGER NP7600

- P5 - 75/90/100
- 256K Cache
- Removable HDD (340M/520M/810M/1.35GB)
- 8MB RAM (16/24/40)
- 32 bit VGA w/1MB
- Stereo Sound Card
- PCMCIA I & IV
- 19mm Trackball
- NiMH Battery
- 10.3" Dual Scan
- 9.5" Active Color

Starting at $2160

PROSTAR NP9200



- 468DX2-66 / DX4-100
- 128K Cache
- 4MB RAM (8/16/20/36)
- Removable HDD (340M/520M/810M/1.35GB)
- PCMCIA IV (II & IV)
- 25mm Trackball
- NiMH Hot Swap Battery
- 10.3" Dual Scan or 10.2" Active Color
- 9.5" Monochrome

Starting at $1370

SAGER NP8500

- 468DX2-66 / DX4-100
- 8MB RAM (8/12/20/36)
- Removable HDD (340M/520M/810M/1.35GB)
- Stereo Sound Card
- PCMCIA II & III
- Pointer Device
- NiMH Battery
- 11.4 Dual Color

Starting at $1990

PROSTAR NP9400

- 468DX2-66 / DX4-100
- 4MB RAM (8 to 64MB)
- Removable HDD (340M/520M/810M/1.35GB)
- PCMCIA II & III
- Stereo Sound Card
- Pointer Device
- NiMH Battery
- 11.3" Dual Scan or 9.5" Active Color

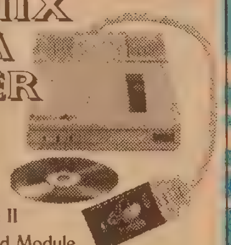
Starting at $2140

EXP CD-940

- PCMCIA Type I
- No Power Needed
- 2X CD Low Power
- Easy Installation

$235

AXONIX MEDIA PLAYER



- PCMCIA Type II
- 2X CD + Sound Module
- AC adapter, battery, carry bag, speaker

$489

Type II 1414 Fax Modem	$105
Type II 2814 Fax Modem	$219
Type II 1414 Fax Modem Voice	$120
Type II Ethernet Lan Card	$99
Type II SCSI-2 Adapter	$120
Type III 260MB Hard Disk	$175

DESKTOP SPECIAL

486DX4-100

- 4MB RAM, 540MB HDD
- 256K Cache, 1.44MB FDD
- MiniTower or DeskTop Case
- VLB IDE, VGA w/1MB
- 101 Keyboard, Mouse w/Pad
- 14" .28NI SVGA Monitor

$888

Add $199 for:

- 2X CD ROM Drive
- Stereo Sound Blaster Card
- Stereo Speaker Set
- Gold Pack 10 CD Title

PENTIUM 90

- 8MB RAM, 850MB HDD
- 256K Cache, PCI M/B
- Mid Tower Case
- PCI IDE, VGA w/1MB
- Focus 2001 KB, 1.44MB FDD
- 15" .28NI SVGA Monitor
- MS Mouse

$1499

Add $275 for:

- 4X CD ROM Drive
- Stereo Sound Blaster Card
- Stereo Speaker Set
- Gold Pack 10 CD Title

COMPONENTS

HARD DISK DRIVES	CASH
540MB 12ms (IDE) Quantum, Conner	$159
850MB 12 ms (IDE) WD, Conner, QT	199
1.2GB 12MS (E-IDE) WD	305
1.2GB 12MS (E-IDE) Maxtor	265
1.0GB 10.5MS (SCSI) Conner, QT	359
2.0GB 8ms (Fast SCSI) QT	795

HDD/FDD ADAPTERS	CASH
IDE I/O (ISA)	$13
IDE I/O (VLB)	18
IDE I/O (PCI)	35
ISA Enhanced I/O (2S, 1P) 16550 UART	24
IDE Card (PCI)	29
Adapter 1542CF Board Only	160
Adapter 2842VL W/Kit	240
Adapter 2940PCI Board Only	188
WD 7193 PCI SCSI Kit	190
WD 7197 PCI SCSI Kit	220
ASUS SCSI (PCI)	82
Promise DC2300+ (VLB, E-IDE)	44
Promise DC4030 (VLB, 0K)	98

CASES	
Mini Tower 200W Dig.	$39
Mini Tower (FCC) 200W	56
Desktop 200W Dig.	42
Med. Tower 250W Dig.	55
Smart Med. Tower 250W	59
Full Tower 250W Dig.	69

FLOPPY DISK DRIVES	
TEAC 1.44MB 3.5"	$32
TEAC 1.2MB 5.25"	45

EXTERNAL DEVICE	
Para Disk	$99

VIDEO CARDS	
CL-5420 VGA 1MB (ISA)	$58
Cirrus Logic 5428 1MB (VLB)	68
S3-805 1MB (VLB)	68
S3-864 1MB (PCI)	78
ATI Wonder 1MB DRAM (VLB/PCI)	95
ATI Mach 64 2MB DRAM (VLB/PCI)	178
ATI WinTurbo Mach 64 2MB VRAM (VLB/PCI)	266
ATI WinTurbo Mach 64 4MB VRAM (VLB/PCI)	420
Diamond Stealth 64 2MB DRAM (VLB/PCI)	185
Diamond Stealth 64 2MB VRAM (VLB/PCI)	268
Mono/LPT Port	15
Western Digital Bali 32 1MB PCI	85
MPEG CD-I Card	155

MONITORS	
MGC 1488E 14" .28 INT. 1024	$195
MGC 1458E 14" .28 NI 1024	210
Acer 34T 14" .28 NI 1024	229
Acer 55 15" .28 NI 1024	295
ADI 4GP 15" .28 NI 1280 DIG LR	345
ADI 5EP 17" .28 NI 1280	585
MAG DX15F 15" .28 NI 1280	325
MAG DX17F 17" .26 NI 1280	585
14" Monochrome	79
14" Monochrome VGA	89

CD ROM/MULTIMEDIA	
Sound Blaster 16 MCD	$68
Sony CD-55 IDE 2X CD ROM	95
Acer CDR-525 IDE 2X CD ROM	95
Sound Blaster 16 SCSI	105
Panasonic 2X CD ROM	102
Mitsumi 2X CD ROM	95
Mitsumi 4X IDE CD ROM	160
Toshiba Triple SCSI CD ROM	215
TEAC Quad Speed CD ROM	175
Toshiba 4.4X 3601B SCSI CD ROM	298
3 in 1 AT CD ROM Contl Card	15
CP-55 Portable Speaker	8
SP-691 25W Speaker w/AC Adapter	22
MLI-115 115W Speaker w/AC Adapter	39
MLI-65 18W Speaker (Black)	33

KEYBOARDS	
Acer 101 Key (Small)	$15
Keytronic 101 Key	25
Focus 2001 w/Dust Cover	30
Focus 8000 w/Calculator	37
Focus 9000 Programmable w/Calculator	47

MISCELLANEOUS	
Smartlink Fax/Modem 96/24	$29
Smartlink Fax/Modem 14.4/14.4 Int.	54
Smartlink Fax/Modem 14.4/14.4 Ext.	96
Smartlink Fax/Modem Voice 14.4/14.4	75
Smartlink Fax/Modem 28.8/28.8 Int.	139
US Robotic Fax/Modem 14.4/14.4 Int.	95
US Robotic Fax/Modem 14.4/14.4 Ext.	120
US Robotic Fax/Modem 28.8/28.8 Int	199
US Robotic Fax/Modem 28.8/28.8 Ext.	220
Microsoft Serial 2 Mouse (Gray)	25
Microsoft Serial 2 Mouse (Ivory)	40
Microsoft Home Mouse	35
Microsoft Ball Point Mouse	20
Logitech First Mouse	35
Logitech Mouseman	45
Znix MS Compatible Mouse	9
Mouse Pad	2
Conner Int. 420MB Tape Backup	168
Conner Ext. 420MB Tape Backup	295
Conner Int. 850MB Tape Backup	215
Colorado Int. 350MB Tape Backup (Remanufactured)	120

GOVERNMENT, SCHOOL AND CORPORATE P.O.'S WELCOME.

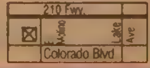
Terms: Cash prices good for personal check (with 2 I.D.'s) or cashier's check.

Conditions: 15% Restocking Fee for all returns within 14 days of purchase. After 14 days no returns for refund.

Warranty: All systems and components come with one year parts and labor warranty. Prices subject to change without notice.

BUSINESS HOURS:
Mon.-Fri. 10:00-6:30
Sat. 11:00-6:00 Closed Sunday

ADVANCED COMPUTER CENTER
645 E. Colorado Blvd., Pasadena, CA 91101
Tel (818) 795-3939 · Fax (818) 795-0549



Telecommuting *continued...*

ering telecommuting options can more easily pull back without trying it.

3) Those who have committed to telecommuting as one means among many of complying with clean air regulations can begin looking for opportunities to cut back on every program they have put in place, without considering the actual or relative merits of telecommuting.

4) Managers who have been opposed to telecommuting will no longer have to listen quite as carefully to arguments in favor of it.

5) There will be one less reason even for open-minded employers to think about or move toward telecommuting.

But the loss of clean air regulations as an incentive to try telecommuting may well be offset by the positive impact of the same changes. According to Gordon, "Compliance with trip reduction regulations is the worst reason to do telecommuting. I've noticed that if you're only doing something because someone is chasing you with a club, as soon as they stop chasing, you stop running."

Gordon is convinced by his years of experience that when organizations support telecommuters from a more positive perspective, they're more likely to stay with telecommuting over the long haul. And for whatever reason they telecommute, they automatically pick up the same benefits targeted by trip reduction regulations.

As Gordon sees the situation, the actual impact of any weakening in clean air regulations will depend on the individual experiences of employers. If telecommuting worked out well for an organization, and if it makes good business sense, the loss or reduction of clean air regulations shouldn't weaken the motivation to continue with it. However, organizations that merely tolerated their telecommuters just to gain some extra trip reduction compliance are more likely to drop telecommuting as soon as the regulations allow.

Why Telecommuting Is Better

One mistake that many people make is to view telecommuting as just another way to cut down on air pollution. Many factors differentiate telecommuting from other trip reduction measures, including:

1) Large numbers of employees actively seek out telecommuting opportunities for themselves. Very few become so enthusiastic about car pools or bicycles.

2) Telecommuting offers significant benefits to the employer, including space reduction, easier recruiting, reduced absenteeism and turnover, higher motivation and productivity, and so forth.

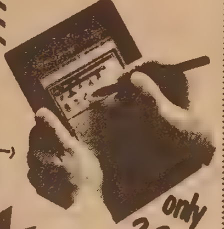
3) For the organization, telecommuting benefits drop right to the bottom line, while other trip reduction measures tend to increase costs and cut into profits.

Nevertheless, clean air regulations have been an interesting catalyst in the telecommuting movement. Even if they now go away, they have allowed many a proponent of telecommuting to get his or her foot in the door, to begin a discussion, score some points, and put some programs in place. And once there's a single telecommuter within an organization, statistics show, there's an internal champion who will normally leverage his or her own experience and facilitate others who want to try telecommuting, too.

All in all, experience shows that as more and more people within an organization become telecommuters, the value of this working method grows far beyond a mere tool for compliance with clean air regulations.

CONVERTIBLE 486 sub-notebook

(—use pen &/or keyboard—) recognizes your writing!



only 2.2 lbs

486/25mhz
4 or 6 Mb Ram
40/80 Mb Hard Disk
96/24 Fax Modem
Cordless Mouse/Pen
includes keyboard & external keyboard port, parallel & serial ports, external VGA port, fax modem, 3.5" floppy drive, battery, ac adapter charger, DOS/WIN/Pen, leather case

from $599 complete

call 800-718-DEAL
B-WARE
17281 Ventura Bl. Encino, CA. 91316
Ph. 818-776-9600 fax 818-776-9425

call 800-718-DEAL

TOTAL OFFICE SOLUTION !
600 DPI Laser Printer
Plain Paper Fax Machine
Document Scanner
Laser Copier

QMS 2001

True 600x600 dpi laser printer
2Mb Ram (10Mb Max)
400 dpi optical scanning
Risc Processor & TrueType
6 pgs. p/min / 20 pg doc feeder
Copier enlarges, reduces, coallates

$799

FREE TOTAL OFFICE SOLUTION SOFTWARE
OCR, fax,scan,document storage and more!

UPGRADE YOUR CAREER
WITH A DEGREE THAT COMPUTES

Earn a Master of Software Engineering (MSE) or a Master of Science (M.S.) in Applied Computer Science and Technology at Azusa Pacific University

Choose your M.S. degree emphasis from:
- Software Engineering
- End-User Support
- Client/Server
- Telecommunications
- Technical Programming
- Computer Information Systems
- Inter-Emphasis

Program Distinctives:
- Geared to working adults
- Applied and practical
- Current and relevant
- Rigorous, yet "do-able"
- Modest prerequisites
- Experienced faculty
- Accredited by the Western Association of Schools and Colleges

Classes: Classes are offered evenings and Saturdays in Azusa, El Segundo, Orange, or Pico Rivera. Start the program at the beginning of any term: Sept. 5, Nov. 13, Feb. 5, or April 22.

For more information, call: Department of Computer Science at (818) 815-5310 or Linda Kluge, Orange County Program Representative, at (714) 935-0260.

AZUSA Pacific UNIVERSITY
901 E. Alosta Ave., PO Box 7000, Azusa, CA 91702-7000

What Will The Future Bring?

Gordon predicts there will be more telecommuters in the future, regardless of what happens to clean air regulations.

"Five years from now," he suggests, "we might not even use the word 'telecommuting.' It'll be just one technique buried within a much larger set of changes."

But regardless of what happens, the number of telecommuters will grow for many reasons that have nothing to do with clean air regulation:

1) Our increasing technological capabilities to create a "telepresence" separate from our physical presence;

2) The aftereffects of downsizing, which create an impetus to give employees more flexibility;

3) The success of telecommuters, and telecommuting champions, in convincing more and more organizations to give it a try;

4) The increasing importance of telecommuting as a tool in the hands of corporate real estate managers, who are eager to cut their employers' costs of bricks and mortar;

"Facilities management is an awfully good place to have an advocate for telecommuting," says Gordon. "They are closer to the dollars than many others, and can talk in terms the CEO can understand." Gordon believes facilities managers may soon be leading the change from viewing headquarters as some kind of "Taj Mahal" to viewing it as just another place to work.

"The easy cost-cutting has been done," Gordon tells his clients. "What's left are the big assumptions about how much office space we need and the importance of bringing everyone to the office every day. There's room here for recurring savings of real money."

What Should One Do?

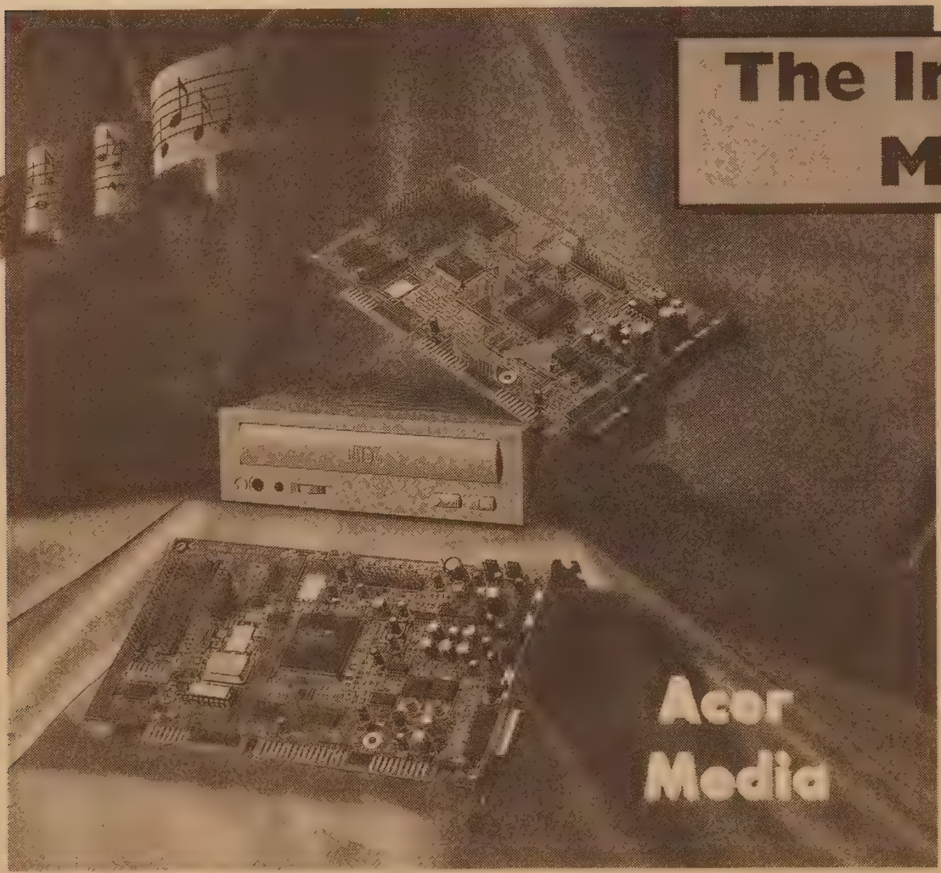
Gordon offers advice for those who want to advance the cause of telecommuting in an era of reduced emphasis on clean air regulations:

1) Discuss telecommuting and sell it to management in the context of the entire business, not in the context of trip reduction or clean air regulations. "Compliance," says Gordon, "is at the bottom, not the top, of the reasons to use telecommuting."

2) Very carefully nurture whatever telecommuting has already begun in your organization, so it doesn't slip away. If trip reduction coordinators find the regulations canceled, they can pull the plug on telecommuting unless someone lays the groundwork for a continuing program. Do what you can to build interest in it, and to sell the benefits of it, on the basis of advantages and reasons that have nothing to do with clean air.

3) Befriend the facilities management people and the corporate real estate people. Show them how they can gain their objectives through telecommuting, if it is done correctly. For years to come, they will likely have the juice to support telecommuting and push it farther than ever, even as the last crop of fair-weather advocates—those in favor of clean air—find their reasons to favor telecommuting going up in smoke. ■

Copyright © 1995 by Robert Moskowitz. All rights reserved.



The Industry Source Means Value

AcerMagic S-30
- 100% Sound Blaster Compatible
- MCD + IDE Control
- Creative Lab Chip Set

AcerMagic S-20
- MCD + IDE Interface
- Opti 929 Chip Set

AcerCD 625A/645A
- E-IDE/ATAPI Interface
- CD-625A 2X Speed Seek Time < 300ms
- CD-645A 4X Speed Seek Time < 200ms

Special Offers

Acer CD-ROM	
CD-625A + S-20	$99
CD-645A + S-20	$169

IET International Electronic Technology, Inc.
Acer Open Authorized Distributor
428 Cloverleaf, Baldwin Park, CA 91706 TEL : (818) 336-1003 FAX: (818) 330-0052

Prices are for Dealers Only!

M.I.G.
COMPUTER SYSTEMS, INC

PENTIUM™ MULTIMEDIA SYSTEM

- Intel Pentium CPU
- Intel Triton PCIset™ Motherboard
- 16MB RAM
- 1.2GB eIDE Hard drive
- PCI on-board eIDE controller
- High speed 16550 UART I/O
- Diamond Stealth Video 2MB DRAM VGA Card
- 1.44 Floppy Disk Drive
- Medium Tower Case w/250W power supply
- AT&T 28.8k bps Internal Fax/Modem
- Sound Blaster 4x discovery package 24 Titles
- MPEG Decoder Card
- 101 Enhanced Keyboard
- 17" MAG DX17F .26mm dpi

P-75MHz	$2829
P-90MHz	$2929
P-100MHz	$3019
P-120MHz	$3229
P-130MHz	$3429

PENTIUM BASIC SYSTEM

- Intel Pentium CPU
- Intel Triton PCIset™ Motherboard
- 8MB RAM
- 540MB Hard drive
- PCI on-board eIDE controller
- High speed 16550 UART I/O
- Trident PCI 1MB VGA Card
- 1.44 Floppy Disk Drive
- Medium Tower Case w/250W power supply
- 15" SVGA .28mm dpi Monitor
- 101 Enhanced Keyboard

Pentium 75MHz	$1349
Pentium 90MHz	$1449
Pentium 100MHz	$1529
Pentium 120MHz	$1759
Pentium 133MHz	$1959

486 MULTIMEDIA SYSTEM

- 486 VLB System
- 8MB RAM
- 850MB eIDE Hard drive
- VLB eIDE I/O controller
- Cirrus Logic 5428 1MB (up to 2MB) VGA Card
- 1.44 Floppy Disk Drive
- Mini Tower Case w/230W power supply
- 15" SVGA .28mm dpi
- 101 Enhanced Keyboard
- Sound Blaster 4x discovery package 20 Titles
- 14.4k bps Internal Fax/Modem

AMD 486DX2/66MHz	$1479
AMD 486DX2/80MHz	$1499
AMD 486DX4/100MHz	$1519
Intel 486DX2/66MHz	$1509
Intel 486DX4/100MHz	$1579

486 BASIC SYSTEM

- 486 VLB Motherboard w/72pin combo
- 4MB RAM
- 560MB IDE Hard drive
- VLB eIDE I/O controller
- Cirrus Logic 5428 1MB (up to 2MB) VGA Card
- 1.44 Floppy Disk Drive
- Mini Tower Case w/230W power supply
- 101 Enhanced Keyboard
- 14" SVGA .28mm N.I. Monitor

AMD 486DX2/66MHz	$829
AMD 486DX2/80MHz	$849
AMD 486DX4/100MHz	$889
Intel 486DX2/66MHz	$849
Intel 486DX4/100MHz	$1049

CD ROM UPGRADE PACKAGE

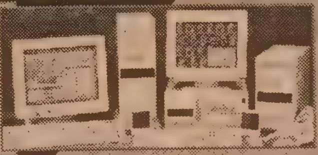
DOUBLE SPEED
- 16bit Sound Card
- 14 CD Titles
- 40 Watt Speakers

$195

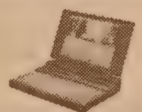
QUAD SPEED
- 16bit Sound Blaster
- 14 CD Titles
- 140 Watt Speakers

$325

CALL FOR DISCOVERY PACKAGE & SOUND BLASTER CARDS!



CALL FOR
•TOSHIBA •COMPAQ •TEXAS TI
NOTEBOOKS!!



MISCELLANEOUS

ADD ON BOARD AND CONTROLLERS

AT Super IDE IO adapter (dual FDD & HDD, 2S, 1P, 1G)	$13
Vesa Local Bus Super IDE & IO	19
PCI IDE adapter	25
PCI IDE w/IO (1655 UR)	49
PCI SCSI adapter	69
AT IDE w/16550 Hi-Speed IO	29
VLB IDE w/16550 Hi-Speed IO	43
VLB SCSI w/16550 Hi-Speed IO	119
Adaptec AHA-1522K SCSI floppy/hard adapter card	89
Adaptec AHA-1542CF SCSI bus master adapter card	189
Adaptec AHA-2742TK EISA SCSI bus master host adapter card	339
Adaptec AHA-2842K VLB SCSI bus master host adapter card	199
Adaptec AHA-2940 PCI wide SCSI-3 host adapter card	249
Adaptec AHA-2940 PCI fast SCSI-2 host adapter card	207

Please call for pricing on GSI, Promise, Bus Logic, Boca, DTC, Ultrastor, Future Domain, Always, Tekram and Q Logic controllers.

CD-ROM DRIVES

Creative Labs Discovery CD 18 kit new edition	$255
Creative Labs Digital School House 16 kit	250
Creative Labs 4x CD kit with 24 titles	399
Creative Labs Entertainment CD 16 kit	Call
Creative Labs Multimedia Office kit	515
Acer 2x Internal IDE	98
Mitsumi 4x Internal IDE	175
NEC 510 3x Internal SCSI	195
NEC 511 4x Internal SCSI	319
Panasonic 562B Internal 2x	117
Plextor 4x Internal SCSI OEM	299
Plextor 6x Internal SCSI OEM	625
Sanyo CDR-94A 2x Internal	105
Sony 55E 2x Internal IDE	109
Toshiba 3502 4x Internal IDE	185
Toshiba 3602 4.4x Internal SCSI	349
Teac 55A 4x Internal IDE	179
4 CD Titles	12
14 CD Titles	37
16 CD Titles	42

Please call for pricing on Texel, Philip, Pioneer and any other unlisted models.

CHASSIS (CASES)

Pac AC-21 mini tower case w/230w power supply	$37
Pac CS-11 desktop case w/200w power supply	43
Pac CS-21 mini tower case w/230w power supply	43
Pac CS-31 mid tower case w/230w power supply	59
Pac CS-41 full tower case w/230w power supply	79

FLOPPY DISK DRIVES

Safonic 1.2mb (5.25")	$39
Safonic 1.44mb (3.5")	29
Teac 1.2mb (5.25")	44
Teac 1.44mb (3.5")	34
Teac dual 1.2mb (5.25")/1.44mb (3.5")	85

HARD DISK DRIVES

Conner CFS 540A-540mb IDE	$179
Conner CFA 850A-850mb IDE	229
Conner CFA 1275A-1.2GB IDE	269
Maxtor MX-7540A-540mb IDE	185
Maxtor MX-7850A-850mb IDE	249
Maxtor MXT-71260A-1.2GB IDE	269
Quantum 420mb IDE	169
Quantum 540mb IDE	209
Quantum 540mb SCSI	239
Quantum 730mb IDE	249
Quantum 1080S-1.08GB SCSI	529
Quantum 2GB SCSI	875
Samsung 420mb IDE	162
Samsung 560mb IDE	174
Western Digital AC2540-540mb IDE	199
Western Digital AC2700-730mb IDE	219
Western Digital AC2850-850mb IDE	249
Western Digital AC31000-1GB IDE	289
Western Digital AC31200-1.2GB IDE	299

Please call for pricing on Digital(DEC), Micropolis, Mini-Stor and any other unlisted models.

KEYBOARDS

Focus 2001 w/hard dust cover	$32
Focus 6000 (soft click)	23
Focus 7000 w/trackball	35
Focus 8000 (calculator, soft click)	36
Focus 9000 (programmable calculator)	46
Fujitsu 4720 (click)	39
Microsoft Natural Hi-Tech	79
Acekey 101	15

MEMORY

Simm 1x3 (1mb) 30pin	$42
Simm 1x9 (1mb) 30pin	43
Simm 4x3 (4mb) 30pin	135
Simm 1x32 (4mb) 72pin	150
Simm 2x32 (8mb) 72pin	289
Simm 4x32 (16mb) 72pin	489
Simm 8x36 (32mb) 72pin	999
Simm 16x36 (64mb) 72pin	2299

MICROPROCESSORS (CPU)

Intel Pentium 100MHz	$489
Intel Pentium 90MHz	359
Intel Pentium 75MHz	299
Intel 486DX4-100MHz	219
AMD 486DX4-100MHz	129
AMD 486DX2-80MHz 3V	119
AMD 486DX2-66MHz	109
Intel 486DX2-66MHz	149
Pentium CPU fan	13
486 CPU fan	8

MODEMS

Zoltrix 14.4 Internal Fax/Modem	$49
Zoltrix 14.4 Internal Fax/Modem Voice	65
Zoltrix 28.8 Internal Fax/Modem	115
US Robotics Sportster SI 14.4 Internal Fax/Modem	65
US Robotics Sportster 14.4 Internal Fax/Modem	98
US Robotics Sportster 14.4 External Fax/Modem	113
US Robotics Sportster 28.8 Internal Fax/Modem	219
US Robotics Sportster 28.8 External Fax/Modem	239

Please call for pricing on Boca, Hayes, Supra and Zoom modems.

MONITORS

14" Aurora .28 N-I monitor	$209
15" Aurora .28 N-I monitor	329
Arcus 14" mono	80
Arcus 14" mono SVGA	98
MAG DX-15F 15" SVGA N-I (Green)D	349
MAG DX-17F 17" SVGA N-I (Green)D	619
MAG MX	CALL
Sony 15SF Multiscan 15" SVGA N-I (Green)D	465
Sony 17SF Multiscan 17" SVGA N-I (Green)D	885
Viewsonic 15G 15" SVGA N-I (Green)D	395
Viewsonic 15 15" SVGA N-I (Green)D	419
Viewsonic 17G 17" SVGA N-I (Green)D	704
Viewsonic 17 17" SVGA N-I (Green)D	815
Viewsonic 20G 20" SVGA N-I (Green)D	1229
Viewsonic 21PS 21" SVGA N-I (Green)D	1615

Please call for prices on NEC, Sony, Nanao, Nokia M7 and any other unlisted models.

SYSTEM BOARDS

Intel Pentium PCI 90 w/256K cache	$199
SIS Pentium PCI 90 w/256K cache	185
SIS Pentium PCI 90 w/256K cache (includes onboard IDE & IO interface)	239
OPTI Pentium PCI/VLB 90 w/256K cache	199
OPTI Pentium PCI/VLB 60/66 w/256K cache	179
OPTI Mini 486 VLB DX4 w/256K cache (72pin)	99
OPTI Mini 486 VLB w/256K Cache (Combo)	97

Please call for pricing on AMI, Asus, and Micronics motherboards.

TAPE BACKUPS

Colorado DJ-20 internal 250mb	$133
Colorado DJ-30 internal 350mb	149
Colorado DJ-25 internal 700mb	199
Colorado JT-20 external 250 parallel	265
Colorado JT-25 external 700mb	339
Colorado JT-30 external 350 parallel	289
Colorado AB-11 external adapter kit	38
Colorado KE-09 external drive kit	75
Colorado FC-10 500kb/s -1mb/s adapter kit	80
Colorado 1GB and 2GB internal and external	CALL
Conner Tapestor 250 internal	135
Conner Tapestor 420 internal	175
Conner Tapestor 850 internal	275

Please call for pricing on DEC, Etabyte, I-Omega, Summite, Tecmar and Wangtek tape backup systems.

VIDEO CARDS

Trident 9000 VGA w/512K	$35
Trident 8900 SVGA w/1mb	58
Trident 9440 VLB or PCI SVGA w/1mb	69
Cirrus Logic 5424 VLB SVGA w/1mb	69
Diamond Stealth 64 VLB w/2mb	175
Diamond Stealth 64 PCI w/2mb	175
Diamond Viper SE VLB w/2mb VRAM	289
Diamond Viper SE PCI w/2mb VRAM	279
Diamond Stealth 64 VLB w/2mb VRAM (expandable to 4mb)	275
Diamond Stealth 64 PCI w/2mb VRAM (expandable to 4mb)	279
ATI Mach 64 VLB w/2mb DRAM	179
ATI Mach 64 PCI w/2mb DRAM	177
ATI Mach 64 VLB w/2mb VRAM	269
ATI Mach 64 PCI w/2mb VRAM	269
ATI Mach 64 VLB w/4mb VRAM	465
ATI Mach 64 PCI w/4mb VRAM	449

Please call for prices on Matrox, Number Nine, Orchid, Hercules and any other unlisted models.

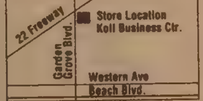
PRINTERS

HP 540	$279
HP 560C	449
HP 4L	519
Epson Stylus Color	499

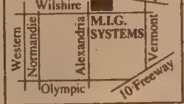
Please Call For Pricing On Epson, Okidata, Canon & Panasonic Printers

MOUSE

Z-Nix Mouse	$8
Microsoft Mouse	29



MAIN OFFICE
O.C. OFFICE
7201 Garden Grove Blvd., Suite B, Garden Grove, CA 92641
TEL: 714-379-6880
FAX: 714-379-6887



BRANCH OFFICE
L.A. OFFICE
3377 Wilshire Blvd., Suite 103, Los Angeles, CA 90010
TEL: 213-427-1880
FAX: 213-427-1885

HOURS: Monday thru Friday 9:00 a.m. to 7:00 p.m.
Saturday 10:00 a.m. to 4:00 p.m.

All Accessories Also Available. We Deliver w/in a 25 Mile Radius When Purchasing a System!
We Honor Government, Corporate & School PO's!
Not responsible for typographical errors. Prices subject to change w/out notice. All prices based on cash discount. 2% charge for credit card use.

VISA MasterCard NOVELL

SALE, REPA

PENTIUM PCI/16MB

- 16MB RAM, 256KB Cache
- 3.5" 1.44MB Floppy Drive
- 1.2GB IDE Hard Drive
- Diamond Stealth 64 2MB DRAM
- Medium Tower Case @ 250 Watts
- PCI 32bit IDE I/O Controller
- 2 Hi-Speed 16550 UART Serial Ports
- ECP/EPP Enhanced Parallel Port
- 15" Flat-Screen N.I. Monitor .28mm
- Enhanced 101 Keyboard
- 3 Button Hi-Resolution Serial Mouse

P5/133MHz	**CALL**
P5/120MHz	**$2188**
P5/100MHz	**$1888**
P5/90MHz	**$1838**

PENTIUM PCI/32MB

- 32MB RAM, 256KB Cache
- 3.5" 1.44MB Floppy Drive
- 1.2GB IDE Hard Drive
- Diamond Stealth 64 2MB VRAM
- Medium Tower Case @ 250 Watts
- PCI 32bit IDE I/O Controller
- 2 Hi-Speed 16550 UART Serial Ports
- ECP/EPP Enhanced Parallel Port
- MAG DX17F 17" Flat Screen Monitor
- Focus 8000 Keyboard w/Calculator
- Microsoft Serial Mouse

P5/133MHz	**CALL**
P5/120MHz	**$2950**
P5/100MHz	**$2650**
P5/90MHz	**$2599**

486 PCI & VLB/540MB

- 8MB RAM, 256KB Cache
- 3.5" 1.44MB Floppy Drive
- 540MB IDE Hard Drive
- PCI 32bit Super VGA (1MB)
- Mini Tower Case @ 200 Watts
- PCI 32bit IDE I/O Controller
- 2 Hi-Speed 16550 UART Serial Ports
- ECP/EPP Enhanced Parallel Port
- 14" Super VGA N.I. Monitor (.28mm)
- Enhanced 101 Keyboard
- 3 Button Hi-Resolution Serial Mouse

486DX4-100MHz	**$1125**
486DX2-66MHz	**$1080**

486VLB/540MB

- 8MB RAM, 256KB Cache
- 3.5" 1.44MB Floppy Drive
- 540MB IDE Hard Drive
- VLB 32bit Super VGA (1MB)
- Mini Tower Case @ 200 Watts
- VLB 32bit IDE I/O Controller
- 2 Hi-Speed 16550 UART Serial Ports
- ECP/EPP Enhanced Parallel Port
- 14" Super VGA N.I. Monitor (.28mm)
- Enhanced 101 Keyboard
- 3 Button Hi-Resolution Serial Mouse

486DX4-100MHz	**$1099**
486DX2-66MHz	**$1054**

SOUND BLASTER 16

MULTIMEDIA PACK

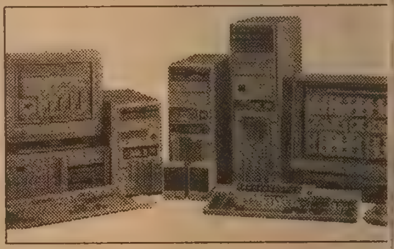
- Sound Blaster 16 Sound Card
- A Pair of Speakers
- The Best 10 CD Pack includes:
  - ZCI Publishing Concise Encyclopedia
  - The Animals!
  - Bodyworks
  - CardShop Plus
  - TIME Almanac 1990's
  - Key Travel Map North America
  - Jewels of The Oracle
  - Kids Can Read!
  - Zodiac Game Pak (6 Titles)
  - Photo Library

Toshiba 4X Speed CD ROM	**$279**
Panasonic 2X Speed CD ROM	**$215**

SOUND BLASTER AWE32

MULTIMEDIA PACK

- Sound Blaster 16 AWE32 Sound Card
- A Pair of Speakers
- The Best 10 CD Pack includes:
  - ZCI Publishing Concise Encyclopedia
  - The Animals!
  - Bodyworks
  - CardShop Plus
  - TIME Alamanac 1990's
  - Key Travel Map North America
  - Jewels of The Oracle
  - Kids Can Read!
  - Zodiac Game Pak (6 Titles)
  - Photo Library

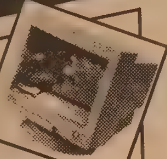


Toshiba 4X Speed CD ROM	**$479**
Panasonic 2X Speed CD ROM	**$415**

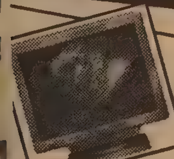
TRADE-IN YOUR i486DX2-66MHz CPU &
UPGRADE TO i486DX4-100MHz CPU
FOR ONLY $125!

AB Computer
117 North Lake Ave.
Pasadena, CA 91101
Tel (818) 666-1628
FAX (818) 666-1622

420MB 3.5" IDE HARD DRIVE
(13ms Access Time)
$149



15" SVGA MONITOR,
1280x1024, .28dp, FLAT SCREEN, 72Hz REFRESH
$285



17" MAG DX17F SVGA MONITOR,
1280x1024, .26dp
$589

14" MONITOR,
1024x768, .28dp, NON-INTERLACED
$215

MOTHERBOARD

PCI Pentium 100MHz Dual Processor 256K Cache Intel Neptunê Chipset, Primary CPU	$725
PCI Pentium 100MHz 256K Cache Intel Triton Chipset, Built-in EIDE, Hi-Speed I/O & EPP	$615
PCI Pentium 100MHz 256K Cache Intel Nepeune Chipset, Built-in EIDE, Hi-Speed I/O & EPP	$615
PCI Pentium 90MHz Dual Processor 256K Cache Intel Neptune Chipset, Primary CPU	$675
PCI Pentium 90MHz 256K Cache Intel Triton Chipset, Built-in EIDE, Hi-Speed I/O & EPP	$565
PCI Pentium 90MHz 256K Cache Intel Neptune Chipset, Built-in EIDE, Hi-Speed I/O & EPP	$565
PCI + VLB 486DX4-100MHz 256K Cache Built-in EIDE, Hi-Speed I/O & EPP	
Intel CPU	$275
Advanced Micro Device CPU	$215
PCI + VLB 486DX2-66MHz 256K Cache	
Intel CPU	$215
VLB 486DX4-100MHz 256K Cache	
Intel CPU	$265
Advanced Micro Device CPU	$205
VLB 486DX2-66MHz 256K Cache	
Intel CPU	$205
Cyrix CPU (128K)	$159
ISA 486DLC-40MHz w/128K Cache	$105
ISA 486SLC2-66MHz	$109
ISA 486SLC-33MHz	$75
ISA 386DX-40MHz w/128K Cache	$78
All Pentium & 486's CPU RECOMMENDED CPU FAN	
486DX CPU Cooling Fan	$10
486DX CPU Active Ice Cooler	$35
Pentium CPU Cooling Fan	$15
Pentium CPU Active Ice Cooler	$45
486SLC CPU Cooling Fan	$15

VIDEO CARD

VGA 16 Bit 256K Card (800x600 Res.)	$26
VGA 16 Bit 512K Card (1024x768 Res.)	$34
VGA 16 Bit 1MB Card (1024x768x256 Color)	$55
VLB Cirrus Logic w/1MB DRAM	$69
VLB Trident w/1MB DRAM	$69
VLB Trident w/2MB DRAM	$119
VLB S3-805 Chip Windows Acc. w/1MB	$75
VLB S3-805 Chip Windows Acc. w/2MB	$125
VLB ATi Mach 32 w/2MB DRAM	$145
VLB ATi Mach 32 w/2MB VRAM	$225
VLB ATi Mach 64 w/2MB DRAM	$175
VLB ATi Mach 64 w/2MB VRAM	$265
VLB ATi Mach 64 w/4MB VRAM	$459
VLB Diamond Stealth 64 w/2MB DRAM	$165
VLB Diamond Stealth 64 w/2MB VRAM (Upgradable to 4MB)	$265
VLB Diamond Stealth 64 w/4MB VRAM	$425
PCI Cirrus Logic w/1MB DRAM	$85
PCI Cirrus Logic w/2MB DRAM	$135
PCI ATi Mach 64 w/2MB DRAM	$175
PCI ATi Mach 64 w/2MB VRAM	$265
PCI ATi Mach 64 w/4MB VRAM	$459
PCI Diamond Stealth 64 w/2MB DRAM	$165
PCI Diamond Stealth 64 w/2MB VRAM	$265
PCI Diamond Stealth 64 w/4MB VRAM	$425

MONITOR

VGA Monitor	$155
14" SVGA 1024x768, .28mm	$215
15" KFC 1024x768, N-I .28mm	$285
15" Aurora Vission 1024x768, N-I .28mm w/Digital Controller	$295
15" MAG DX15F 1280x1024, N-1 .26mm	$330
17" MAG DX17F 1280x1024, N-1 .26mm	$589

CASE

Mini Tower Case w/Power Supply	$38
Desktop Case w/Power Supply	$43
Mid Size Tower Case w/Power Supply	$50
Full Size Tower Case w/Power Supply	$65

HARD DRIVE

IDE 420MB Hard Drive	$149
IDE 540MB Hard Drive	$165
IDE 850MB Hard Drive	$195
IDE 1GB Hard Drive	$269
SCSI-2 1.0GB Hard Drive	$445
SCSI-2 2GB Hard Drive	$895

CONTROLLERS

AT I/O 2 Serial, 1 Parallel, 1 Game Port	$14
High Speed I/O (16550 UART) 2 Serial, 1 Parallel w/Floppy Disk Controller	$29
IDE Hard & Floppy Controller & I/O	$15
IDE Hard & Floppy Controller & Hi-Speed I/O (16550 UART)	$42
VLB Enhanced IDE Hard & Floppy Controller & I/O	$22
Promise EIDE 2300 Plus Enhanced IDE Hard & Floppy Controller & Hi-Speed I/O (16550 UART)	$60
IDE Cache Controller (DC600)	$95
SCSI-2 Cache Controller (DC800)	$225
VLB IDE Cache Controller (DC680)	$105
VLB IDE Hard & Floppy Controller & Hi-Speed I/O (16550 UART)	$39
VLB SCSI-2 Controller (Adaptec 6360 Chipset)	$99
VLB SCSI-2, IDE Hard & Floppy Controller & I/O (Adaptec 6360 Chipset, 16550 UART)	$135
PCI IDE Hard & Floppy Controller & Hi-Speed I/O (16550 UART)	$49
Adaptec 2742 (Bare) EISA SCSI-2 Controller	$239
Adaptec 2742T EISA SCSI-2 Ctrl Twin Channel (14 SCSI Device)	$299
Adaptec 2940 (Bare) PCI SCSI-2 Controller	$195
Adaptec 2940W (Bare) PCI SCSI-2 Controller	$219

KEYBOARD

101 Enhanced Non-click Keyboard	$19
101 Enhanced Click Keyboard	$23
FOCUS 2001 Keyboard	$30
FOCUS 7000 Keyboard w/ Trackball	$35
FOCUS 8000 Keyboard w/calculator	$35

FLOPPY DRIVE

TEAC 1.2 Floppy Drive, 5.25"	$45
TEAC 1.44 Floppy Drive, 3.5"	$35

MEMORY

1MB SIMM 30pin (1x9)	$36
4MB SIMM 30pin (4x9)	$125
4MB SIMM 72pin (1x32/1x36)	$129/$148
8MB SIMM 72pin (2x32/2x36)	$255/$289
16MB SIMM 72pin (4x32/4x36)	$465/$495
32MB SIMM 72pin (8x32/8x36)	$910/$989

We also take Memory trade-in's!

MICE

Mouse Hi-Resolution	$18
Mouse CP-3	$10
Microsoft Mouse	$35
Truedox Trackball	$25

CD-ROM DRIVE

Toshiba Quad Speed IDE CD ROM Drive	$175
Teac Quad Speed CD ROM Drive	$165
Panasonic Double Speed CD ROM Drive	$115

SOUND BOARDS

Sound Blaster 16	$68
Sound Blaster 16 MCD	$73
Sound Blaster 16 AWE32	$259

TAPE BACKUP DRIVES

Colorado 250MB Internal Tape Drive	$125
Colorado 350MB Internal Tape Drive	$167
Colorado 700MB Internal Tape Drive	$289
Conner 420MB Internal Tape Drive	$175
Conner 850MB Internal Tape Drive	$285

FAX & MODEM

14400bps Internal Fax Modem	$49
14400bps Internal Fax Modem w/ voice	$59
US Robotics Sportster 28800 Internal Fax Modem	$225

NETWORK CARD

Ethernet 16 Combo (RJ45&BNC)	$30
Ethernet 16 Combo (Jumperless)	$38

TERMS & CONDITIONS

- 1 Year Warranty (Parts & Labor)
- Prices Are Subject To Change Without Notice
- Defective Merchandise Must Have RMA Authorization
- 15% Restocking Charge
- Terms COD Or Prepaid (Cashier Check, Company Check, OAC)
- All Systems 14 Day Money Back Guarantee
- Quantity Discount Available

IDE CACHING CONTROLLER
w/1MB, IT SUPPORTS 4HD & 2FD MAX. 16MB (256/1MB/4MB Simm & Can Be Mixed)
$95

VLB IDE CACHING CONTROLLER,
IT SUPPORTS 4HD & 2FD MAX. 16MB (256/1MB/4MB Simm & Can Be Mixed)
$105

16MB 72 PIN 70ns SIMM
w/Purchase of any Pentium or 486 Motherboard
$455

540MB 3.5" IDE HARD DRIVE,
3.5" FORMAT, 1" HEIGHT
$165

UPGRADE YOUR RAM TO 16MB
FROM 4MB > 16MB $395
FROM 8MB > 16MB $295
JUST PLUG & PLAY!

NOT RESPONSIBLE FOR TYPOGRAPHICAL ERRORS.
PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

ASC
COMPUTER
22776 Ventura Blvd. Suite A
Woodland Hills
Tel (818) 876-9187
FAX (818) 876-9189

NSC
1928 Tyler, Suite A-168
So. El Monte, CA 91733
Tel (818) 454-1039
FAX (818) 454-1040

West
TECH

Orange County
Store
Coming Soon

WEST TECH

Wholesale t

4X CD-ROM
Internal, IDE
$149

850MB HDD
IDE
$185

420MB
CONNER
Internal Tape Backup
Includes Tape
$135

2X SCSI CD-ROM
w/SCSI Sound Card
$99

INTEL
ADVANCED ZP/TRITON
PCI motherboard w/Built in
High Speed IO
$235

TRIDENT 9440
VLB/PCI SVGA Card
w/1MB DRAM
$62

SYSTEM SPECIALS

TRITON IDE BEST BUY

- Intel Pentium Processor
- Intel Triton Chipset PCI Motherboard
- 8MB RAM, 256K Fast Cache
- 1.44MB FDD
- 1.2GB Enhanced Mode 3 IDE HDD
- PCI Enhanced Bus-Master IDE Controller
- Diamond Stealth 64 PCI Video Card w/2MB DRAM
- 2 16550 Uart High Speed Serial Ports, Bidirectional Parallel Port
- 15' Flat Screen, .28DP, NI, 1280x1024 Monitor
- Mid Tower Case with 230 Watt Power Supply
- 101 Key Keyboard and Hi-Res 3 Button Mouse

PENTIUM 75	**$1589.00**
PENTIUM 90	**$1689.00**
PENTIUM 100	**$1789.00**
PENTIUM 120	**$2149.00**

TRITON IDE MEDIA BEST BUY

- Intel Pentium Processor
- Intel Triton Chipset PCI Motherboard
- 16MB RAM, 256K Fast Cache
- 1.44MB FDD
- 1.2GB Enhanced Mode 3 IDE HDD
- PCI Enhanced Bus-Master IDE Controller
- 2 16550 Uart High Speed Serial Ports, Bidirectional Parallel Port
- Diamond Stealth 64 PCI Video Card w/2MB DRAM
- MAG 17' Flat Screen, .26DP, NI, 1280x1024 Monitor
- Mid Tower Case with 230 Watt Power Supply
- 4x CD-ROM 195ms, 600KB/s
- Sound Blaster 16 Sound Card
- 120 Watt Stereo Speakers
- 14 CD Titles
- 101 Key Keyboard and Hi-Res 3 Button Mouse

PENTIUM 75	**$2439.0**
PENTIUM 90	**$2539.0**
PENTIUM 100	**$2639.0**
PENTIUM 120	**$2999.0**

TRITON SCSI-2 MEDIA STATION

- Intel Pentium Processor
- Intel Triton Chipset PCI Motherboard
- 16MB RAM, 256K Fast Cache
- 1.44MB FDD
- 1GB SCSI-2 HDD
- Adaptec 2940 PCI SCSI-2 Bus-Master Controller
- 2 16550 Uart High Speed Serial Ports, Bidirectional Parallel Port
- Diamond Stealth 64 PCI Video Card w/2MB DRAM
- MAG 17' Flat Screen, .26DP, NI, 1280x1024 Monitor
- Full Tower Case with 250 Watt Power Supply
- 4x CD-ROM
- Creative 16 MCD Sound Card
- 120 Watt Stereo Speakers
- 14 CD Titles
- 101 Key Keyboard and Hi-Res 3 Button Mouse

PENTIUM 75	**$2799.00**
PENTIUM 90	**$2899.00**
PENTIUM 100	**$2999.00**
PENTIUM 120	**$3299.00**

TRITON WIDE SCSI-3 MEDIA STATIO

- Intel Pentium Processor
- Intel Triton Chipset PCI Motherboard
- 16MB RAM, 256K Fast Cache
- 1.44MB FDD
- 2GB Wide SCSI-3 HDD
- Adaptec 2940W PCI SCSI-3 Bus-Master Controller
- 2 16550 Uart High Speed Serial Ports, Bidirectional Parallel Port
- Diamond Stealth 64 PCI Video Card w/2MB DRAM
- MAG 17' Flat Screen, .28DP, NI, 1280x1024 Monitor
- Full Tower Case with 250 Watt Power Supply
- 4x CD-ROM
- Sound Blaster 16 Sound Card
- 120 Watt Stereo Speakers
- 14 CD Titles
- 101 Key Keyboard and Hi-Res 3 Button Mouse

PENTIUM 75	**$3499.0**
PENTIUM 90	**$3599.0**
PENTIUM 100	**$3699.0**
PENTIUM 120	**$3999.0**

486 VLB STAR

- Intel Pentium Technology Ready
- 486 VLB MB w/256K Cache
- 4 MB Ram (70ns)
- 32 Bit VLB IDE (2S, P, G) Controller
- 1.44 FDD 3.5"
- 540 MB IDE HDD
- 32 Bit Window Accelerator w/1MB
- Mini Tower Case with 200 Watt Power Supply
- 14", .28DP, NI SVGA Monitor
- 101 Key Keyboard
- High Resolution Serial Mouse
- Dos 6.22 and Windows 3.1, Add $85

Intel 486 DX2-66	**$869.00**
AMD 486 DX2-80	**$869.00**
AMD 486 DX4-100 BEST BUY	**$889.00**
Intel 486 DX4-100	**$969.00**

486 VLB SUPREME MEDIA

- Intel Pentium Technology Ready
- 486 VLB MB w/256K Cache
- 8 MB Ram (70ns)
- 32 Bit VLB IDE (2S, P, G) Controller
- 1.44 FDD 3.5"
- 540 MB IDE HDD
- 32 Bit Window Accelerator w/1MB
- Sound Blaster 16 Compatible Sound Card
- 2x (Double Spin) CD-Rom
- 160 Watt AMP Speakers
- 4 Deluxe CD Titles
- Mid Tower Case with 230 Watt Power Supply
- 14" SVGA-NI Monitor
- 101 Key Keyboard
- High Resolution Serial Mouse
- Dos 6.22 and Windows 3.1, Add $85

Intel 486 DX2-66	**$1279.00**
AMD 486 DX2-80	**$1279.00**
AMD 486 DX4-100 BEST BUY	**$1299.00**
Intel 486 DX4-100	**$1389.00**

PENTIUM SUPREME

- Pentium PCI MB w/256K Cache
- 8 MB Ram (70ns)
- PCI IDE (2S, P, G) Controller
- 1.44 FDD 3.5"
- 850 MB IDE HDD
- Diamond Stealth 64 PCI w/2MB
- Mid Tower Case with 230 Watt Power Supply
- 15" .28DP, NI, 1028x1024, SVGA Monitor
- 101 Key Keyboard
- High Resolution Serial Mouse
- Dos 6.22 and Windows 3.1, Add $85

Pentium 75 MHz	**$1439.00**
Pentium 90 MHz	**$1509.00**
Pentium 100 MHz	**$1609.00**

PENTIUM SUPREME MEDIA

- Pentium PCI MB w/256K Cache
- 8 MB Ram (70ns)
- PCI IDE (2S, P, G) Controller
- 1.44 FDD 3.5"
- 850 MB IDE HDD
- Diamond Stealth 64 PCI w/2MB
- Sound Blaster 16 Compatible Sound Card
- 4x (Quad Spin) CD-Rom
- 80 Watt AMP Speakers
- 4 Deluxe CD Titles
- Mid Tower Case with 230 Watt Power Supply
- 15" .28DP, NI, 1028x1024, SVGA Monitor
- 101 Key Keyboard
- High Resolution Serial Mouse
- Dos 6.22 and Windows 3.1, Add $85

Pentium 75 MHz	**$1719.00**
Pentium 90 MHz	**$1799.00**
Pentium 100 MHz	**$1899.00**

TRITON UPGRADES

8MB → 16MB	$2
540MB IDE → 850MB IDE	$
540MB IDE → 1.2GB IDE	$1
15" → 17" MAG	$3
DOS 6.22 & Windows 3.1	$
DOS 6.22 & Windows 3.11 for Workgroups	$

TRITON SYSTEM FEATURES

1) **THE NEW INTEL TRITON PCI CHIPSET** - The latest generation Penti processor chipset that supports up to 120MHz CPU.

2) **EDO RAM AND PAGE MODE DRAM** - EDO (extended data outp DRAM increases the CPU to memory bandwidth from 100MB/s 200MB/s.

3) **PCI BUS ENHANCED IDE CONTROLLER** - The built-in enhanced controller supports both PIO mode 3 and mode 4 IDE. The d transfer rate for mode 4 IDE can reach up to 17MB/s.

4) **PLUG AND PLAY FLASH BIOS** - Frees users from hardware conf problems. The Award PnP BIOS is stored in flash EPROM to def and remember each card's configuration.

5) **16550 UART & EPP PARALLEL PORTS** - High speed serial a enhanced parallel prots for high speed file transfers and printi

6) **MORE**...These systems support both PS/2 and AT style keybo connectors. Secondary level write back cache mode to increa system performance. P54C-IP utilizes a lithium battery wh provides environmental protection and longer lifetime.

You Can Do It All with West Tech

COMPUTERS
he Public

West
TECH

PARTS

SYSTEM BOARDS

Intel Plato - P5-75/90/100MHz PCI M/B	$219
Intel Trition advanced ZP - P5-90-120MHz PCI M/B w/ 256K Cache	$249
Intel Trition advanced ZP - P5-90-120MHz PCI M/B w/ 256K BURST Cache	$289
Intel Trition - P5-90-120MHz PCI M/B w/ 256K Cache OEM	$209
Amptron 6900 - 486DX4 VLB M/B (30/72pin)	$89
FIC 486DX EISA VLB M/B (30 Pin)	$119
P5-90/100MHz PCI M/B w/IDE IO (SIS chipset)	$169
Laser 486DX4 PCI M/B (72pin)	$129
OPTi P5-90/100MHz PCI/VLB M/B w/HS IO	$199
OPTi 486DX4 VLB M/B (72pin)	$99
OPTi 486 VLB M/B (combo)	$97
Vega (USA) 486DX VLB M/B (30 Pin)	$125
Vega (USA) 486DX4 VLB M/B (72 Pin)	$135
486DLC-40 w/128K cache w/CPU and math co	$115
486SLC-33 w/128K cache w/CPU	$79
386DX-40 w/128K cache w/CPU	$84

* *Motherboards from AMI , Asus, and Micronics available upon request*

MICROPROCESSORS (CPU)

Intel Pentium 133 MHz	$1199.00
Intel Pentium 120 MHz	$749.00
Intel Pentium 100 MHz	$419.00
Intel Pentium 90 MHz	$349.00
Intel Pentium 75 MHz	$269.00
Intel 486DX4-100 MHz	$199.00
Intel 486DX4-75 MHz	$159.00
AMD 486DX4-100 MHz	$129.00
AMD 486DX2-80 MHz 3V	$109.00
Intel 486DX2-66 MHz	$119.00
Intel 486DX-33 MHz	$99.00
Intel 486SX-33 MHz	$79.00
Pentium CPU fan	$13.00
486 CPU fan	$8 00

* *Due to the volatility of CPU prices, we regret that we cannot guarantee the prices as shown, please call for the latest price.*

MEMORY

Simm 1x3 (1mb) 30 pin	$42.00
Simm 1x9 (1mb) 30 pin	$43.00
Simm 4x3 (4mb) 30 pin	$135.00
Simm 1x32 (4mb) 72 pin	$139.00
Simm 2x32 (8mb) 72 pin	$269.00
Simm 4x32 (16mb) 72 pin	$489.00
Simm 8x36 (32mb) 72 pin	$999.00
Simm 16x36 (64mb) 72 pin	$2299.00

* *Due to the volatility of Memory prices, we regret that we cannot guarantee the prices as shown, please call for the latest price.*

FLOPPY DISK DRIVES

Mitsumi 1.2mb (5.25")	$39.00
Mitsumi 1.44mb (3.5")	$28.00
Teac 1.2mb (5.25")	$42.00
Teac 1.44mb (3.5")	$32.00
Teac dual 1.2mb (5.25")/1.44mb (3.5")	$80.00

ADD ON BOARDS AND CONTROLLERS

AT Super IDE IO adapter (dual FDD & HDD, 2S, 1P, 1G)	$12.00
Vesa Local Bus Super IDE & IO	$18 00
PCI IDE adapter	$18.00
PCI IDE w/IO (1655 UR)	$39.00
PCI SCSI adapter	$69 00
AT IDE w/16550 Hi-Speed IO	$29.00
VLB IDE w/16550 Hi-Speed IO	$43.00
VLB SCSI w/16550 Hi-Speed IO	$119 00
Promise 2300+ Enhanced VLB 16550UR	$54.00
Adaptec AHA-1522K SCSI floppy/hard adapter card	$89.00
Adaptec AHA-1542CF SCSI bus master adapter card	$189.00
Adaptec AHA-2742TK EISA SCSI bus master host adapter card	$339.00
Adaptec AHA-2842K VLB SCSI bus master host adapter card	$199.00
Adaptec AHA-2940 PCI wide SCSI-3 host adapter card	$249 00
Adaptec AHA-2940 PCI fast SCSI-2 host adapter card	$207.00

* *Please call for pricing on GSI, Promise, Bus Logic, Boca, DTC, Ultrastor, Future Domain, Always, Tekram and Q Logic controllers.*

HARD DISK DRIVES

Conner CFS 425A - 425mb IDE	$145.00
Conner CFS 540A - 540mb IDE	$165.00
Conner CFS 850A - 850mb IDE	$195.00
Conner CFS 1275A - 1.2GB IDE	$249.00
Conner CFP 1080S - 1.08GB SCSI-2	$379.00
Conner 2.1GB SCSI-2	$725 00
Maxtor MX-7540A - 540mb IDE	$167 00
Maxtor MX-7850A - 850mb IDE	$199 00
Maxtor MXT-71260A - 1.2GB IDE	$269 00
Maxtor MX-71620A - 1.6GB IDE	$579.00
Quantum 540mb IDE	$169.00
Quantum 540mb SCSI	$185.00
Quantum 730mb IDE	$199.00
Quantum 1080S - 1 08GB SCSI	$369.00
Quantum 2GB SCSI	$769.00
Quantum 2.1GB Wide SCSI-3	$959.00
Samsung 420mb IDE	$145.00

HARD DISK DRIVES CONT.

Samsung 560mb IDE	$159.00
Segate 3660A - 540mb IDE	$168.00
Segate 31200A - 1.05GB IDE	$269.00
Segate 31230N - 1.05GB SCSI	$549.00
Segate 32430N - 2.14GB SCSI	$929 00
Western Digital AC2420 - 420mb IDE	$169.00
Western Digital AC2540 - 540mb IDE	$185.00
Western Digital AC2700 - 730mb IDE	$199 00
Western Digital AC2850 - 850mb IDE	$205.00
Western Digital AC31200 - 1.2GB IDE	$299.00

Please call for pricing on Digital (DEC), Micropolis, Mini-Stor, and any other unlisted models.

CHASSIS (CASES)

API GT-151 Mini Tower w/230W UL PS	$69.00
API GT-210 Mid Tower w/250W UL PS	$105 00
API GT-300 Full Tower w/300W UL PS	$159 00
PAC C-11 Desktop w/230W PS	$43 00
PAC C-21 Mini Tower w/230W PS	$43 00
PAC C-31 Mid Tower w/230W PS	$57 00
PAC C-41 Full Tower w/250W PS	$75.00
PAC A-21 Mini Tower w/230W PS	$37 00
PAC A-31 Mid Tower w/230W PS	$52 00
PAC A-41 Full Tower w/250W PS	$69.00
Diamond CS-130 Full Tower w/250W UL PS	$105 00
Diamond CS-230 Mid Tower w/250W UL PS	$95.00
Diamond CS-330 Mini Tower w/220W UL PS	$69 00
Diamond CS-730 Desktop w/220W UL PS	$71.00

** *Black color available for CS-130,230,330 cases*

* *2nd Fan available + $9.00*

VIDEO BOARDS

ATI mach64 PCI or VLB 4MB (V)	$439 00
ATI mach64 PCI or VLB 2MB (V)	$249 00
ATI mach64 PCI or VLB 2MB (D)	$169.00
Diamond Stealth64 video PCI or VLB 4MB (V)	$439.00
Diamond Stealth64 video PCI or VLB 2MB (V)	$259 00
Diamond Stealth64 PCI or VLB 2MB (D)	$165 00
Diamond Stealth64 PCI or VLB 1MB (D)	$125 00
Diamond Stealth 64 SE PCI 1MB (D)	$89 00
Diamond Stealth 64 SE VLB 1MB (D)	$94 00
Cirrus Logic 5428 VLB 1MB	$65 00
Cirrus Logic 5434 PCI 1MB	$89 00
S3 805 VLB 1MB	$68 00
S3 864 PCI 1MB	$92.00
Trident 9440 VLB 1MB	$65 00
Trident 9440 PCI 1MB	$68 00
Trident 8900 ISA 1MB	$59.00
Trident 9000 ISA 512K	$37 00

* *Video Cards from Hercules, Matrox, Number 9, Orchid, Paradise, & STB available upon request*

* *(D) = DRAM (V) = VRAM*

MONITORS

Acer 34T 14" SVGA-NI (Green)D	$219.00
Acer 56L 15" SVGA-NI (Green)D	$329 00
Acer 76L 17" SVGA-NI (Green)D	$599.00
Arcus 1588 15" SVGA-NI (Green)D	$299 00
CTX 1451ES 14" SVGA-NI	$229 00
CTX 1565GM 15" SVGA-NI (Green)D	$315.00
CTX 1562GM 15" SVGA-NI (Green)	$299.00
CTX 1765GM 17" SVGA-NI (Green)D	$589.00
MAG DX-15F 15" SVGA-NI (Green)D	$349.00
MAG DX-17F 17" SVGA-NI (Green)D	$609.00
MAG MXP-17" SVGA-NI (Green)D	$899.00
Office Pro 14" SVGA-NI	$209.00
Optiquest 2000DC 15" SVGA-NI (Green)D	$355.00
Optiquest 4000DC 17" SVGA-NI (Green)D	$649.00
Sony 15SF Multiscan 15" SVGA-NI (Green)D	$435.00
Sony 17SF Multiscan 17" SVGA-NI (Green)D	$855.00
Viewsonic 15G 15" SVGA-NI (Green)D	$399.00
Viewsonic 15GA 15" SVGA-NI (Green)D	$459.00
Viewsonic 17GA 17" SVGA-NI (Green)D Multi Speaker (NEW MODEL)	$799.00
Viewsonic 17GS 17" SVGA-NI (Green)D	$699.00
Viewsonic 17 17" SVGA-NI (Green)D	$795.00
Viewsonic 20G 20" SVGA-NI (Green)D	$1190.00
Viewsonic 20PS 20" SVGA-NI (Green)D	$1399.00
Viewsonic 21PS 21" SVGA-NI (Green)D	$1649 00
KFC 1511 15" SVGA-NI	$289 00
KFC 1507 15" SVGA-NI (Green)D	$329 00

* *Please call for prices on NEC, Sony, Nanao, Nokia M7 and any other unlisted models.*

KEYBOARDS

101 keys	$14.00
Honeywell 101 keys	$29.00
Keytronic KT-2000	$25.00
Focus 2001 w/ hard dust cover	$29.00
Focus 6200 w/ hard dust cover	$28.00
Focus 7000 w/trackball	$34.00
Focus 8000 (calculator, soft click)	$34.00
Focus 9000 (programable calculator)	$43.00
Fujitsu 4720 (click)	$36.00
Microsoft Natural Hi-Tech	$84 00

CD-ROM DRIVES

Creative Labs Discovery CD 4x kit	$309.00
Creative Labs Digital School House 16 kit	$209 00
Creative Labs Home 4x CD kit with 16 titles	$379 00
Creative Labs Value CD 2x16 kit	$185 00
Creative Labs Multimedia Office kit	$515 00
Acer 2x internal IDE	$75 00
Acer 4x internal IDE	$159 00
Mitsumi 4x internal IDE	$169 00
NEC 511 4x internal SCSI	$279 00
Panasonic 562B internal 2x	$89 00
Panasonic 572 internal 2x IDE	$95 00
Plextor 6x internal SCSI OEM	$499 00
Sony 55E 2x internal IDE	$105 00
Toshiba 3502 4x internal IDE	$179 00
Toshiba 5301 4x internal SCSI	$269 00
Toshiba 3601 4.4x internal SCSI	$289 00
Teac 55A 4x internal IDE	$159 00
4 CD titles	$12 00
14 CD titles	$37 00
16 CD titles	$42 00

* *Please call for pricing on Texel, Philip, Pioneer, and any other unlisted models.*

SOUND CARDS AND SPEAKERS

Acer S-30 MCD IDE	$64 00
Creative Labs S-B Basic	$69 00
Creative Labs Value Edition	$86.00
Creative Labs 16 MCD	$129 00
Creative Labs 16 Vibra IDE OEM	$72.00
Creative Labs 16 MCD ASP	$158 00
Creative Labs 16 MCD ASP OEM	$95.00
Creative Labs SCSI-2	$149 00
Creative Labs SCSI-2 OEM	$109 00
Creative Labs SCSI-2 ASP	$195 00
Creative Labs Awe 32 Value Edition	$189 00
Creative Labs Awe 32 ASP and wave MCD	$255 00
Winstorm 16 SCSI	$75 00
Mini stereo speakers	$8 00
MS-305 40w speakers	$25 00
MS-405 100w speakers	$42 00
MS-410 120w speakers	$47 00

* *Please call for prices on ATI, Cardinal, Diamond, Logitech, Roland, Orchid, Turtle Beach sound products.*

MODEMS

LT 14.4 internal data/fax	$47.00
LT 28.8 internal data/fax v.34	$149 00
Smartone 9600/2400 internal data/fax	$29.00
Smartone 14.4 internal data/fax	$58 00
Smartlink 9600/2400 internal data/fax	$32 00
Smartlink 14.4 internal data/fax	$57 00
Smartlink 14.4 internal data/fax/voice	$65 00
Smartlink 14.4 external data/fax	$84 00
Smartlink 28.8 internal data/fax v.34	$129.00
Smartlink 28.8 external data/fax v.34	$179 00
U.S. Robotics Sportster 14.4 internal data/fax	$89 00
U.S. Robotics Sportster 14.4 external data/fax	$105 00
U.S. Robotics Sportster 28.8 internal data/fax v.34	$217 00
U.S. Robotics Sportster 28.8 external data/fax v.34	$229.00

* *Please call for pricing on Boca, Hayes, Supra, and Zoom modems.*

TAPE BACKUPS

Colorado DJ-20 internal 250mb	$124 00
Colorado DJ-30 internal 350mb	$129 00
Colorado DJ-25 internal 700mb	$199.00
Colorado T-1000 internal 800mb	$189 00
Colorado DJ-50 internal 1400mb w/FC-20 Controller	$285 00
Colorado JT-20 external 250 parallel	$253.00
Colorado JT-30 external 350 parallel	$275.00
Colorado JT-35 external 700 parallel	$357.00
Colorado AB-11 external adapter kit	$38.00
Colorado KE-09 external drive kit	$75.00
Colorado FC-10 500kb/s - 1mb/s adapter kit	$80.00
Colorado 1GB and 2GB internal and external	call
Conner Tapestor 250 internal	$132 00
Conner Tapestor 420 internal	$148.00
Conner Tapestor 850 internal	$257 00

* *Please call for pricing on DEC, Etabyte, I-Omega, Summite, Tecmar, and Wangtek tape backup systems.*

MICE/TRACKBALLS

Qtronix 3 button serial mouse	$8.00
A-4 Tech serial mouse	$9 00
A-4 Tech serial trackball	$24 00
A-4 joystick	$17 00
Logitech Bus Mouseman	$62 00
Logitech PS-2/serial Mouseman	$43 00
Logitech PS-2/serial Trackman	$69 00
Logitech Cyberman 3D	$42 00
Logitech cordless mouse	$85 00
Microsoft serial mouse (OEM)	$24 00
Microsoft bus mouse	$52 00
Microsoft ballpoint trackball	$49 00

PRINTERS

Please call for pricing on Cannon, Citizen, Epson, Hewlett Packard and Panasonic printers.

ALL PRICES REFLECT A 3% CASH DISCOUNT

DISCOUNTS AVAILABLE FOR DEALERS AND CONSULTANTS

We at West Tech have special discount rates set up for small dealers and volume buyers.

CORPORATE, EDUCATION AND GOVERNMENT PO'S WELCOME

Fax us your PO and we'll ship your order on approval by our financial department. It's that easy!

UNLIMITED TECHNICAL SUPPORT

Sometimes even the experts have questions and at WEST TECH we've got the answers. Minimize downtime and call us whenever you need fast, reliable solutions.

SI HABLA ESPANOL

PRICE GUARANTEE

We will meet or beat anyone's advertised price!

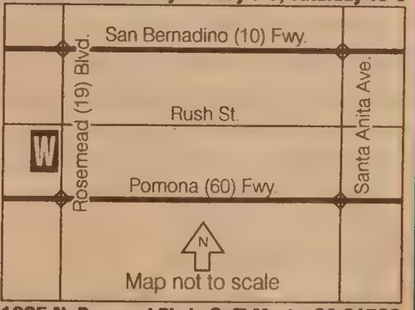
WE GLADLY ACCEPT

VISA | MasterCard | American Express | DISCOVER | CHECKS

Terms:

- 30 day money back gaurantee with 15% restocking fee
- All prices are C.O.D. cash
- All returns must be as-new and sent prepaid with RMA number
- One year warranty on parts
- Three years labor waranty
- West Tech is not responsible for typographical errors.

Store Hours: Monday - Friday 9-6, Saturday 10-5



1835 N. Rosmead Blvd., S. El Monte, CA 91733

Sales (818) 279-1356 • Fax (818) 279-2653 • Tech Support (818) 279-2819 • Customer Service (818) 279-2939

rious Computer Solutions

SMALL OFFICE/HOME OFFICE • BY BIRRELL WALSH

The Brainstormer's Friend

Inspiration Software For Thinking, Outlining, And Presentations

Some years ago there was a fashion for left- and right-brain thinking. You may recall, perhaps, that the left half of the brain preferred verbal thoughts, while the right half was associated with visual imagery. Many of us used the metaphor for a while and then forgot about it. But a small company created software to support both modes.

As the company has been in business for ten years—venerable old age in the computer industry—it is worth looking at their product, Inspiration.

The idea is simple. Some people like to think in words, and they can organize their thoughts most easily in an outline. Other people like to think in pictures. They can understand and create most comfortably in clusters of connected images.

Inspiration lets you do both. I discovered this software in an advertisement in *The American Way*, the in-flight magazine of American Airlines. I was on my way to Vermont to investigate the state's reputation for beauty. I called the company from a telephone booth in Chicago's noisy O'Hare Airport, and the program was waiting for me when I got back from the luminously beautiful New England state.

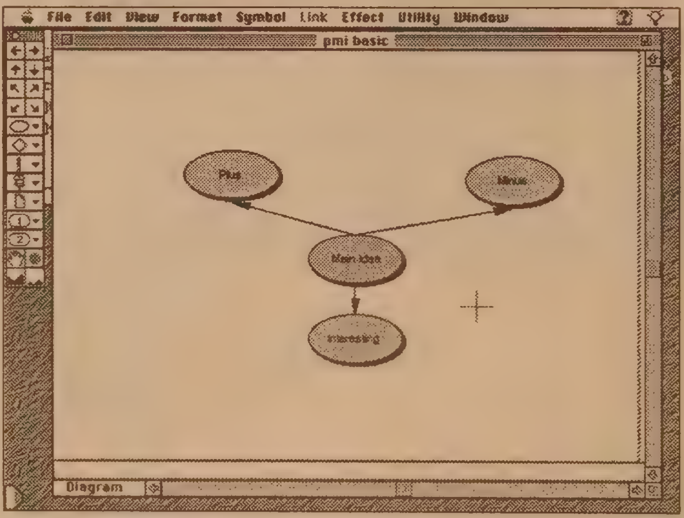
Inspiration advertises itself as brainstorming, outlining, and presentation software. It is targeted at those who make a living by recording ideas and presenting them to other people.

Inspired Thinking

When I loaded Inspiration onto my Macintosh and brought it up for the first time, there was an oval in the middle of the screen which said "Main Idea." The legible and pleasant Quick Start booklet suggested that I select those words with my mouse, and type my own topic.

I did. My main idea was to be "Move to Vermont?"

I could create related clusters just by typing "enter" rather than "return" (these are different on a Macintosh keyboard) between the names of subordinate topics. As I did so, other ovals with the names of the subordinate topics began to bloom around the central idea. Inspiration was creating a cluster diagram for me.



Inspiration set up to begin brainstorming.

If I wished to create subordinate topics, all I had to do was choose one of the ovals and repeat the process I had used with the main topic—hit "enter" and then the sub-sub topics I wanted. Among the "minuses," for instance, was that I had found no dim sum in Vermont. I typed "enter" and then "no Dim Sum" and it appeared as an oval attached to "minus."

The strengths and weaknesses of the two ways of displaying information were already becoming apparent to me. The cluster diagram was more involving than the outline, but the diagram became cluttered quickly. Despite its greater interest, it was confusing after a few levels had been added. The various parts began to overlap visually. The outline of the same information kept everything in order, all right; but the order was so ponderous that it was difficult to engage with it.

It is at this point that Inspiration Software's sheer experience came into play. A new product implementing this metaphor might be stuck with all the problems inherent in each mode of looking at things. Inspiration has been in the marketplace for a number of years. Users have been calling the company to suggest changes and modifications to the design, and many of them have been incorporated into the program.

The Visual Communicator

In the diagram view, there are four main strategies for simplification. One can decide that any item more than one or two or three steps from the top will not be shown. This strategy allows the user to have more detail, but not to look at it. The information is still present, but it is not seen. One can use this method to hide implementation details during a presentation, for instance, or simply to clear up a cluttered screen.

One can also simplify the screen by "focusing in" on a topic. That topic and its descendants become the only things shown on the screen. Finally, one can use "families" of "parent" and "child" documents. These are represented on the

WE TOOK A GREAT IDEA AND BUILT ON IT!

Soho Media

Intel Pentium/486DX Processor
8MB FPM Memory & 256K Cache
540 Enhanced IDE Hard Drive MB540MB
Enhanced IDE Hard Drive Controller
PCI Graphics Accelerator w/1MB
14" ACERVIEW SVGA .28 Monitor
ACER Quad Speed IDE CD ROM
ACER SB Compatable 16 Bit Sound Card
Amplified Stereo Speakers
14.4 Fax Modem w/Voice w/Amer. On-L
2 x 16550 Uart Serial & 1EPP Par. Prt.
101 Enhanced Keyboard & Mouse
7 Bay Mid Tower Case & 3.5", 1.44 FDD
MS DOS 6.22 & WFW 3.11
MS CD Bundle (Encarta, Golf, Music nstrument)
15" ACERVIEW SVGA .28 Monitor add $100.00

Intel DX2-66	**$1499.00**
Intel DX4-100	**$1579.00**
Pentium 75	**$1619.00**
Pentium 90	**$1729.00**

Soho MPEG

Intel Pentium Processor
8MB FPM Memory & 256K Cache
850 Mode 4 Enhanced IDE Hard Drive
PCI Enhanced IDE Hard Drive Controller
PCI 64 Bit Graphics Accelerator w/1MB
15" ACERVIEW SVGA .28 Monitor
ACER Quad Speed IDE CD ROM
ACER SB Compatable 16 Bit Sound Card
Amplified Stereo Speakers
14.4 Fax Modem w/Voice w/Amer. On-L
2 x 16550 Uart Serial & 1 EPP Par. Prt.
101 Enhanced Keyboard & Mouse
7 Bay Mid Tower Case & 3.5", 1.44 FDD
MS DOS 6.22 & WFW 3.11
MS CD Bundle (Encarta, Golf, Music Instrument)
*** MPEG Playback Card w/bver by Chip (Includs 1 Title from Our MPEG Library)**
*** 28.8 Fax Modem w/Voice w/Amer, add $100.00**

Pentium 75	**$2079.00**
Pentium 90	**$2189.00**
Pentium 100	**$2299.00**
Pentium 120	**$2559.00**

Pro Media

Intel Pentium Processor
Intel Triton Chipset / Plug & Play BIOS
8MB FPM Memory & 256K Cache
1.2 GB Mode 4 Enhanced IDE Hard Drive
PCI Enhanced IDE Hard Drive Controller
PCI 64-Bit Graphics Accelerator w/1MB
15" ACERVIEW SVGA .28 Monitor
ACER Quad Speed IDE CD ROM
ACER SB Compatable 16 Bit Sound Card
Amplified Stereo Speakers
14.4 Fax Modem w/Voice w/Amer. On-L
2 x 16550 Uart Serial & 1EPP Par. Prt.
101 Enhanced Keyboard & Mouse
7 Bay Mid Tower Case & 3.5", 1.44 FDD
MS DOS 6.22 & WFW 3.11
MS CD Bundle (Encarta, Golf, Music Instrument)
*** 17" ACERVIEW SVGA .27 Monitor, add $300.00**

Pentium 75	**$1879.00**
Pentium 90	**$1989.00**
Pentium 100	**$2099.00**
Pentium 120	**$2359.00**

Pro SCSI

Intel Pentium Processor
Intel Triton Chipset / Plug & Play BIOS
8MB FPM Memory & 256K Cache
1GB Fast SCSI Hard Drive
PCI Adaptac 2940 Fast SCSI Controller
PCI Enhanced IDE Hard Drive Controller
PCI 64-Bit Graphics Accelerator w/2MB
15" ACERVIEW 76i SVGA .27 Monitor
ACER Quad Speed IDE CD ROM
ACER SB Compatable 16Bit Sound Card
Amplified Stereo Speakers
14.4 Fax Modem w/Voice w/Amer.On-L
2 x 16550 Uart Serial & 1 EPP Par. Prt.
101 Enhanced Keyboard & Mouse
7 Bay Mid Tower Case & 3.5",1.44 FDD
MS DOS 6.22 & WFW3.11
MS CD Bundle (Encarta, Golf, Music Instrument)
*** 2GB Fast SCSI Hard Drive, add $350.00**

Pentium 75	**$2299.00**
Pentium 90	**$2409.00**
Pentium 100	**$2519.00**
Pentium 120	**$2779.00**

MULTIWAVE
TECHNOLOGY
15318 E. Valley Blvd.
City of Industry, CA 91746
Tel: 818-333-8558
Fax: 818-333-4380

yes
NetWare
Tested and
Approved

intel inside
pentium
PROCESSOR

FCC
Class B
Cetified

All A-Open Systems use Acer Open Components

MAGICTEK
COMPUTER
1218 E. Katella Ave.
Anaheim, CA 92805
Tel: 714-939-9220
Fax: 714-939-9221

Some people like to think in words; they can organize their thoughts most easily in an outline. Other people like to think in pictures. They can understand and create most comfortably in clusters of connected images. Inspiration lets you do both.

screen as normal objects, with symbols and links, but they are actually pointers to other Inspiration files. They can be complete documents, with their own formatting and printing setups different from those in the master diagram.

The most important strategy for simplification is the use of symbols. Instead of using just the traditional oval, Inspiration provides a family of 520 symbols which can be used to mark its nodes. I chose a cloud to represent my main idea—it is only a dream, at this point—and I chose rectangles with strips marked with a plus, a minus, and a light bulb for Plus, Minus, and Interesting aspects of the idea. So far this is not very imaginative. But when communicating, one wants symbols that instantly give the correct impression.

And A Few Words...

My right brain was exhausted by this time, all the visual thinking giving it more exercise than the poor thing is used to. I followed the manual's advice, and with a single command-T, the screen full of connected clusters vanished and was replaced by orderly left-brain text.

Inspiration had converted the cluster diagram into an outline, with headings, numbers, and indentation.

The outliner has a number of the traditional features. One can move, promote and demote, and split topics in the outline structure. One can choose among several kinds of outline numeration, from Harvard (I.A....) and legal (1.05.22) to bullets. The outliner permits simple formatting. One can gather topics that are scattered, and move them to one place.

One can add notes to any topic in the diagram view by opening a text window and typing away. I found that it is easier to work with textual information in the outline. I used the outline view to expand the basic ideas and to add further thoughts about what I needed to do. Again, it doesn't matter which option one prefers. Notes added to topics in the diagram, the text, or the outline view will be accessible from the others.

Topics are intended to be a line or two long. If one chooses to work with text only, rather than a diagram or outline view, there is a third, called "text view." While it is a simple and adequate unformatted word processor, it is not as unique as the outline and diagram views. It seems to be for the convenience of people who do not care for outlines.

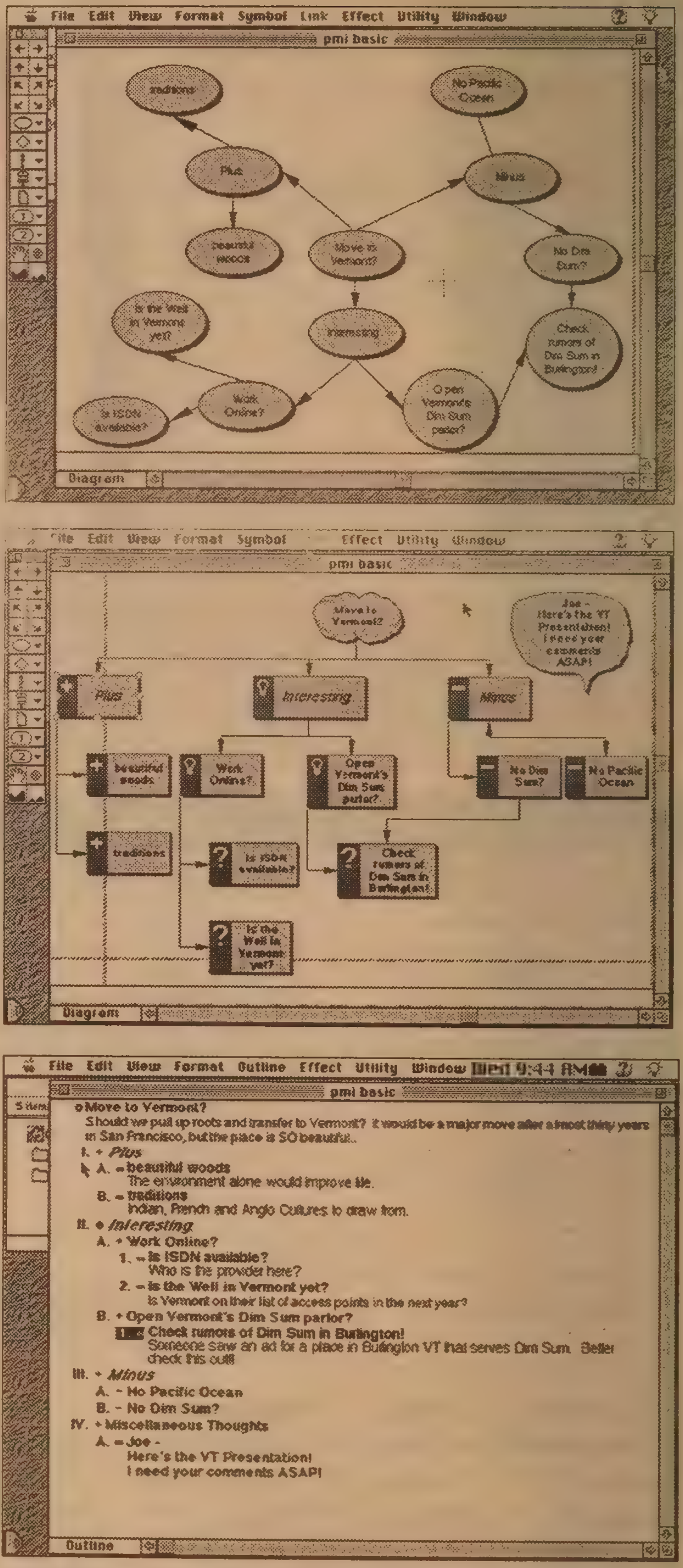
It is the integration of the outliner with the diagram view that makes Inspiration so powerful. The outline and the cluster-diagram views are interlocked. A change to one will appear in the other. When I wrote myself a note in the outline to check rumors of a dim sum parlor in Burlington, the same item appeared in an oval when I returned to the diagram view.

The integration extends beyond content. While in the outline view I reformatted the "Plus," "Minus," and "Interesting" headings to be larger and italicized. When I returned to the Diagram view, the formatting appeared on the diagram as well.

Let Me Present...

When you have captured the main points and want to make them into a visual presentation, you can return to the diagram view and begin to apply the formatting and arrangement tools provided. It is possible to reshape the diagram in a wide variety of ways, while automatically preserving the topology (the pattern of connectedness) which gives it its meaning.

One can change the shape of the symbols, of course. One can also change their size. There is a family of tools to arrange the symbols in various ways. If the cluster of ideas centered around


File Edit View Format Symbol Link Effect Utility Window
pmi basic
traditions
No Pacific Ocean
Plus
Minus
beautiful woods
Move to Vermont?
No Dim Sum?
Is the Well in Vermont yet?
Interesting
Check rumors of Dim Sum in Burlington!
Work Online?
Open Vermont's Dim Sum parlor?
Is ISDN available?
Diagram
File Edit View Format Symbol Effect Utility Window
pmi basic
Move to Vermont?
Joe - Here's the VT Presentation! I need your comments ASAP!
Plus
Interesting
Minus
beautiful woods
Work Online?
Open Vermont's Dim Sum parlor?
No Dim Sum?
No Pacific Ocean
traditions
Is ISDN available?
Check rumors of Dim Sum in Burlington!
Is the Well in Vermont yet?
Diagram
File Edit View Format Outline Effect Utility Window 9:44 AM
pmi basic
5 items
Outline

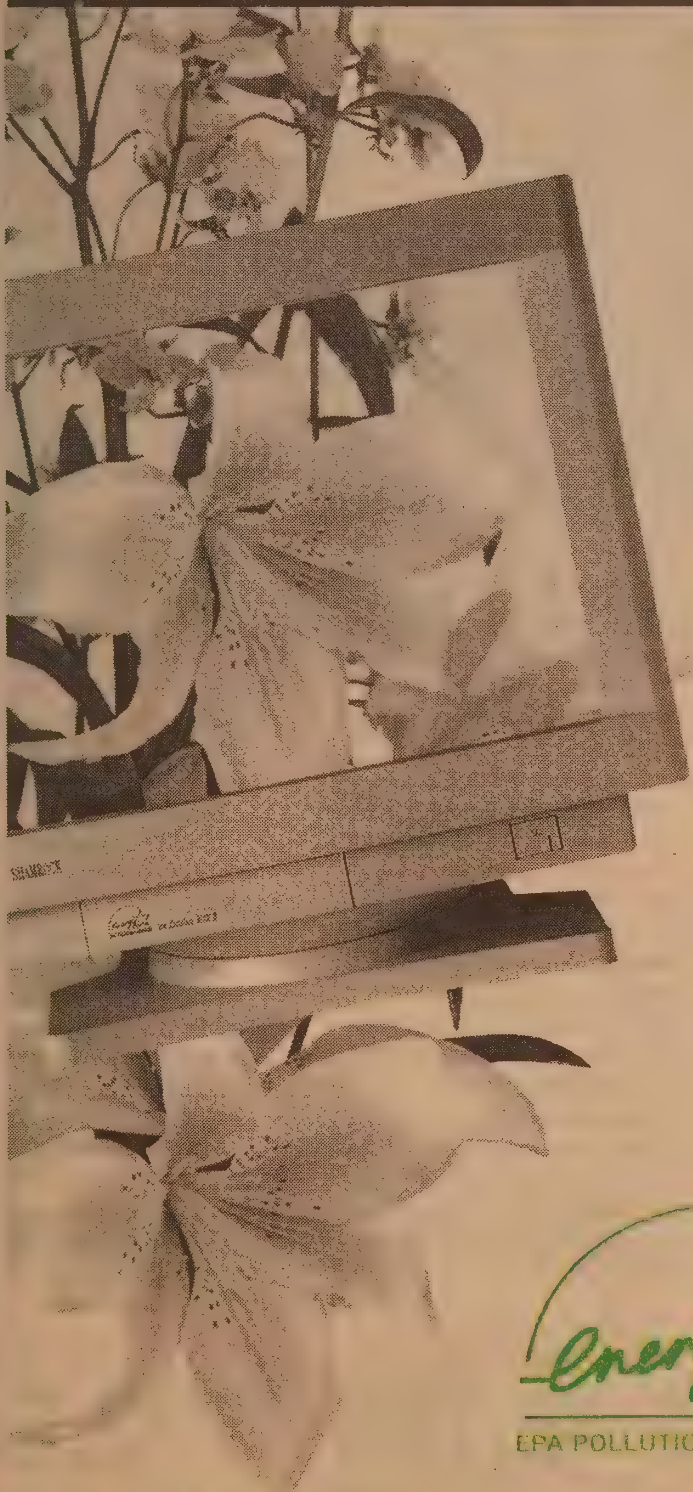
o Move to Vermont?
Should we pull up roots and transfer to Vermont? It would be a major move after almost thirty years in San Francisco, but the place is SO beautiful..
I. + *Plus*
  A. = beautiful woods
    The environment alone would improve life.
  B. = traditions
    Indian, French and Anglo Cultures to draw from.
II. ◆ *Interesting*
  A. + Work Online?
    1. = Is ISDN available?
      Who is the provider here?
    2. = Is the Well in Vermont yet?
      Is Vermont on their list of access points in the next year?
  B. + Open Vermont's Dim Sum parlor?
    Check rumors of Dim Sum in Burlington!
    Someone saw an ad for a place in Burlington VT that serves Dim Sum. Better check this out!
III. + *Minus*
  A. - No Pacific Ocean
  B. - No Dim Sum?
IV. + Miscellaneous Thoughts
  A. = Joe -
    Here's the VT Presentation!
    I need your comments ASAP!

Top to bottom: Quickly mindmapping the idea of moving to Vermont; the mindmap converted into a business presentation; the same information in an outline, with notes.

SHAMROCK

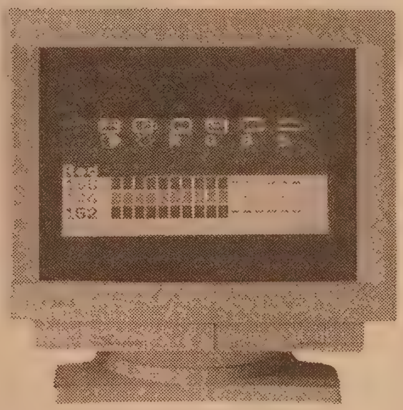
THE FULL SCREEN MONITOR

We Take Great Pride In Our High Quality Monitors Sold
And The Excellent Service We Provide



2 YEAR WARRANTY
For 17" [illegible] Monitors
Parts & Labor Included

17" O.S.D. Control Autosynchronous Color Monitor - SRC 1703



KEY FEATURES:
- ▼ The 17" FST, 0.28mm dot pitch CRT with advanced technology of ARASC coating option, double focus gun, and INVAR mask
- ▼ IBM and APPLE system compatibility
- ▼ Automatically adjusts for picture's centering and sizing at every popular graphic mode from 640x480 to 1280x1024. Total 23 screen presets
- ▼ Auto synchronization:
  Horizontal: 24-64KHz; Vertical: 47-104Hz
- ▼ Full Screen (overscan) capability with edge-to-edge video display
- ▼ Rotation/Tilt control designed to position image upright without Tilt distortion due to geomagnetic field impact
- ▼ Trapezoid and pincushion correction controls added to improve the picture's geometric distortions
- ▼ R.G.B. color control adjusts displayed colors to perfectly match with printer output
- ▼ Power saving function in compliance with EPA and VESA-DPMS standards
- ▼ Low radiation MPRII option

energy
EPA POLLUTION PREVENTER

FOR DEALERS ONLY: TEL. 310/946-9392 • FAX 310/946-4924

POWER OF

TRUE SOUND!

DSP Wave Table Synthesis

Windows Sound System

Designed with multimedia in mind, the SoundFlax delivers uncompromised 16-bit, 44.1 KHz stereo audio to ensure clean, crisp recording and playback. Advanced audio features are implemented through the digital signal processor (DSP) including integrated wave table and FM synthesis. With this superior quality audio, the audio host adapter is an ideal solution for business multimedia applications as well as software written for the Sound Blaster card.

WIN 95 INCLUDED

SUPER MEDIA PLUS

Super Power User

- **32MB** RAM, 256K Fast Cache
- **4.0GB** 9ms Fast/Wide SCSI HD
- **Fast/Wide SCSI** HD Controller–Performance by Adaptec (2940W)
- 17" MAG MXP17F 120Hz Refresh Rate, 1600 x 1280, Flat Screen
- #9 Imagine 128-bit Graphic Engine, Video 4MB VRAM, 1600x1280, *PC Magazine Editor's Choice*
- 6X CD-ROM Multi-session **900**KB/sec, 145ms Access Time
- **Sound Blaster AWE-32 DSP**
- Voice Recognition, Microphone
- Microsoft Encarta, Works, Money CD & Entertainment Pak
- **14.4kbps** Fax Modem
- 7-bay Mid-tower, **Premium** Speakers
- Windows 95 or (DOS & Win Group 3.1)
- 1.44 Disk Drive, Hi-res Mouse
- 130-key Prog. Keyboard, Hi-speed I/O

Intel Triton Chipset Pentium® Processor

100MHz **$5,299**

120 MHz ***$5,449*** 133 MHz ***$5,699***

LEASE $188

WIN 95 INCLUDED

WIN 95 PROFESSIONAL

Professional Media Station

- **16MB** RAM, 256K Fast Cache
- **2.0GB** 9ms Fast/Wide SCSI HD
- **Fast/Wide SCSI** HD Controller
- Award-winning 17" MAG **Digital** Flatscreen–Energy Star
- ATI mach64 Video **2MB VRAM**, *PC Magazine Editor's Choice*
- 6X CD-ROM Multi-session **900**KB/sec, 145ms Access Time
- **Sound Blaster AWE-32 ASP**
- **MPEG** & Video CD Software
- Voice Recognition, Microphone
- Microsoft Encarta, Works, Money CD & Entertainment Pak
- 130-key Programmable Keyboard
- **28.8kbps** V.34 Fax/Modem
- 7-bay Mid-tower, **Premium** Speakers
- Windows 95 or (DOS & Win Group 3.1)
- 1.44 Disk Drive, Hi-res mouse
- Hi-speed I/O

Intel Triton Chipset Pentium® Processor

100MHz **$4,099**

120 MHz ***$4,249*** 133 MHz ***$4,499***

LEASE $146

WIN 95 INCLUDED

SUPER MEDIA II - 17

Powered Windows User

- **16MB** RAM, 256K Fast Cache
- **1.2GB** Enhanced IDE HD
- Award-winning 17" MAG **Digital** Flatscreen–Energy Star
- ATI mach64 Video **2MB** RAM, *PC Magazine Editor's Choice*
- **4X** CD-ROM Drive 600KB/sec
- SoundFlex 32 **DSP** 32-voice, MS Sound System, Wave Table
- **MPEG** & Video CD Software
- Voice Recognition Software & Mic
- Microsoft Encarta, Works, Money CD & Entertainment Pak
- **14.4kbps** Fax Modem
- 130-key Programmable Keyboard
- 7-bay Mid-tower, **Premium** Speakers
- Windows 95 or (DOS & Win Group 3.1)
- 1.44 & 1.2 disk drives, Hi-res Mouse
- Hi-speed I/O

Intel Triton Chipset Pentium® Processor

100MHz **$2,799**

120 MHz ***$2,949*** 133 MHz ***$3,199***

LEASE $99

WIN 95 INCLUDE

MEDIA MASTER 4X

Voice-Powered 4X C

- **16MB** RAM, 256K Fast Cache
- **1.0GB** Enhanced IDE HD
- 15" MAG Digital Flatscreen –Energy Star
- ATI mach64 Video **2MB** RAM, *PC Magazine Editor's Choice*
- **4X** CD-ROM drive 600KB/sec
- **Sound Blaster AWE-32, DSP**
- Voice Recognition Software & Mic
- **MPEG** & Video CD Software
- Microsoft Encarta, Works, Money C & Entertainment Pak
- **14.4kbps** Fax Modem, Dual Speake
- 7-bay Tower, Enhanced 101-keyboa
- Windows 95 or (DOS & Win Group 3.
- 1.44 Disk Drive, Hi-res Mouse

17" MAG Monitor Upgrade...add $325

Intel Pentium® Processor

100MHz **$2,549**

120 MHz ***$2,699*** 133 MHz ***$2,949***

LEASE $90

One Year Labor/Parts Warranty • Lifetime Tech Support

Prices subject to change without notice. Prices reflect with cash discount. Intel inside and Pentium processor logos are registered trademarks of Intel Corporation.

X CD & DIGITAL SOUND

peed
ROM Drive

yal System with a 6X CD-ROM drive to play our favorite multimedia ations. With a 145 ms r rate and 900 KBps, this M drive is a perfect part- Windows 95's enhanced and audio features.

MAG MONITOR

ter Shopper's Best Buy, G DX17 has a high rate, a resolution of 1,024, and digital l that bring out the most olor from our multimedia and Windows 95 software. For even better performance, get the MAG MPX17 with 1,600 x 1,280.

Play Your Favorite Movie

Royal's MPEG

No other multimedia system can attain Royal MPEG's level of full-screen, full-motion digital audio and video.

It's a whole new dimension of realistic colors, sound and motion.

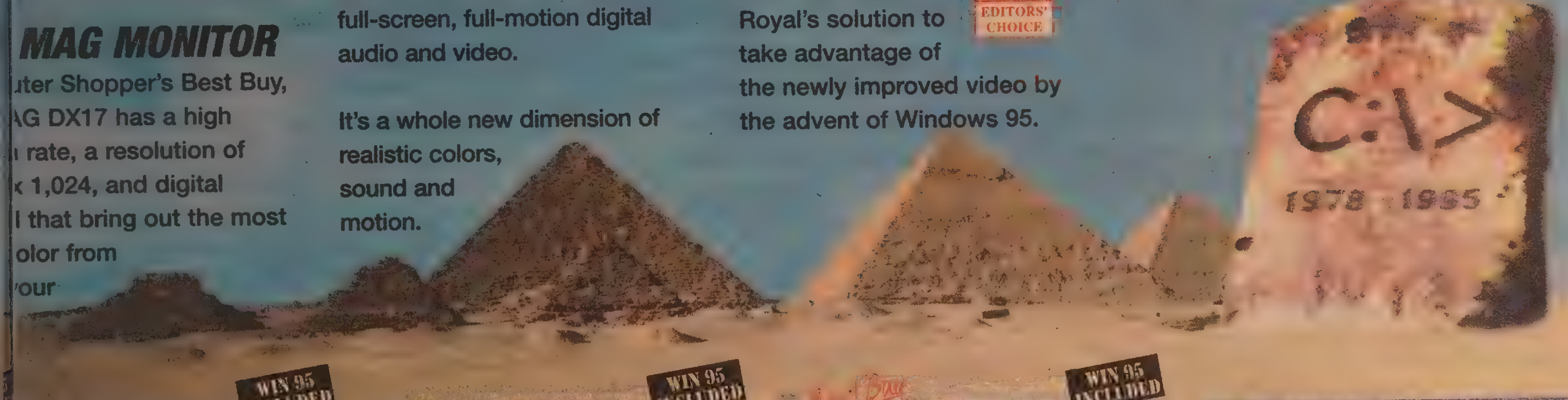
Music video and feature-length movies come alive with Royal MPEG software. Play your favorite CD-i video CD, music CD and karaoke CD. Go with Royal MPEG multimedia.

TO THE MAX!
THE 128-bit GRAPHICS

PC MAGAZINE EDITORS' CHOICE

#9 Imagine128, Royal's solution to take advantage of the newly improved video by the advent of Windows 95.

PC magazine says: "... [#9 Imagine128] combines ultra-fast 128-bit graphics accelerators, screaming refresh rates, and tremendous utilities (HawkEye) into potent packages aimed at the graphics professional." Imagine128 is the most powerful graphics engine available today.



WIN 95 INCLUDED

ESIGNER PRO 17
ia Screamer

MB RAM, 256K Fast Cache
2GB Enhanced IDE HD
" **Digital Flatscreen**—Energy Star
w Radiation, 1280x1024
amond Stealth 64 Video Accelerator
MB DRAM, 1280 x1024
CD-ROM drive 600KB/sec
und Blaster Soundcard Compatible
PEG & Video CD Software
icrosoft Encarta, Works, Money CD
Entertainment Pak
.4kbps Fax Modem, Dual Speakers
bay Tower, Enhanced 101-keyboard
indows 95 or (DOS & Win Group 3.1)
44 Disk Drive, Hi-res Mouse

Pentium® Processor

Hz **$2,499**

Hz *$2,649* 133 MHz *$2,899*

WIN 95 INCLUDED

BEST-BUY DESKTOP
Low Cost Media II-Performance

☞ **16MB** RAM, 256K fast cache
☞ **850MB** Enhanced IDE HD
☞ **15"** low radiation flatscreen, 1280
☞ **Diamond Stealth 64 Video Accelerator** 2 MB RAM, 1280 x1024
☞ **4X** CD-ROM drive 600KB/sec
◕ Sound Blaster Soundcard Compatible
☞ **MPEG** & Video CD Software
◕ CD Deluxe 4 Titles, Dual Speakers
☞ **14.4kbps** Fax Modem
◕ 5-bay Vertical Case, 101-keyboard
◕ Windows 95 or (DOS & Win Group 3.1)
◕ 1.44 disk drive, Hi-res mouse

17" Monitor Upgrade ....add $365

Intel Pentium® Processor

100MHz **$2,199**

75 MHz *$1,999* 90 MHz *$2,099*
120 MHz *$2,349* 133 MHz *$2,599*

Buy

WIN 95 INCLUDED

ALPHA MEDIA
Voice-Powered MPEG

☞ **8MB** RAM, 256K Fast Cache
☞ **850MB** Enhanced IDE HD
☞ 15" MAG Monitor Digital Flatscreen
☞ ATI mach64 Video **2MB** RAM, *PC Magazine Editor's Choice*
☞ **4X** CD-ROM Drive 600KB/sec
☞ SoundFlex 32 **DSP** 32-voice, MS Sound System, Wave Table
☞ **MPEG** & Video CD Software
◕ Voice Recognition Software & Mic
◕ Microsoft Encarta, Works, Money CD & Entertainment Pak
☞ **14.4kbps** Fax Modem, Dual Speakers
◕ 7-bay Tower, 101-keyboard
◕ Windows 95 or (DOS & Win Group 3.1)
◕ 1.44 Disk Drive, Hi-res Mouse

Intel Pentium® Processor

100MHz **$2,099**

75 MHz *$1,899* 90 MHz *$1,999*
120 MHz *$2,249* 133 MHz *$2,499*

OFFICE MEDIA III
4X-CD, Office Solution

☞ **8MB** RAM, 256K Fast Cache
☞ **850MB** Enhanced IDE HD
☞ **15"** low radiation flatscreen, 1280
☞ **Royal 64-bit** Video Accelerator, 1MB RAM (**2MB** upgradable), 1280
☞ **4X** CD-ROM drive 600KB/sec CD Deluxe 4 Titles, Dual Speakers
◕ Sound Blaster Soundcard Compatible
◕ 5-base Vertical Tower, 101-keyboard
◕ 1.44 Disk Drive, Hi-res Mouse

Intel Pentium® Processor

100MHz **$1,899**

75 MHz *$1,699* 90 MHz *$1,799*
120 MHz *$2,049*

intel inside
pentium
PROCESSOR

2 Locations to serve you:

Corporate P.O. Accepted! To order or for more information, please call:

ROYAL

ROYAL COMPUTER
818.855.5077
Fax Orders 818.330.2717
1208 John Reed Court, Industry, CA 91745

DISCOVER

ALPHA COMPUTER
818.831.5585
Fax Orders 818.831.5581
10353 Balboa Blvd., Granada Hills, CA 91344

ALPHA Computer

the main idea seems too free-form, it can be changed into a hierarchical tree with a single command. If the symbols just won't line up properly, one can use the alignment tools to make them align with each other on tops, bottoms, sides, or centers.

The idea is to let free-form brainstorming quickly migrate to finished visual presentations. The family of tools makes it easy to build a coherent chart from the informal brainstorming without having to laboriously reenter all the work in a presentation program.

> I have observed that the greatest loss of ideas in brainstorming seems to happen between the flipchart where ideas are captured in real time, and the transcription made later. With Inspiration there is no loss whatsoever. People who lead brainstorming groups should run right out and buy the product.

A Tool For Two Platforms

I believe that the best programs today should have versions for both Windows and Macintosh. While Windows machines vastly outnumber the Macintosh, many of the most creative people in business standardized very early on the Mac. To have a program for Windows only is to exclude oneself from the artistic, broadcasting, and publishing world. To have a program for the Mac only is to restrict oneself to a small market.

With this in mind I called Inspiration Software back and asked to look at the Windows version as well.

The file I had created on the Macintosh, when copied to a DOS disk through Apple File Exchange, opened in the Windows version as very much the same document I had built on the Macintosh. The printed versions were similar, except for an inexplicable (and acceptable) added shading in the Windows printed copy. When I removed that with a print option, the printout from the two platforms looked identical. There appear to be no problems trading files.

The interface was also the same, with menu items and symbol libraries identical. One must admit that an application is always less beautiful in Windows than it is on a Macintosh. Windows versions of programs also take longer to load—but you knew that. The result of the identical

NOVELL

Save up to 60% on all your favorite NetWork Operating Systems!

NETWARE v3.12			NETWARE v4.1		
5	User	$475	5	User	$495
10	User	$995	10	User	$1,015
25	User	$1,315	25	User	$1,425
50	User	$1,825	50	User	$1,895
100	User	$2,610	100	User	$2,695

LANTASTIC 6.0
5 User $139
10 User $249
Free Tech Support

WINDOWS NT SERVER
MS NT Server v3.5 and 10 Windows Clients *only* $395 (while supply lasts)

CNE on Staff - Call for all your LAN inquiries

InTech 714-589-0164
28346 Pueblo Drive, Trabuco Canyon, CA 92679

OSM
Expert Computer Consulting, LLC
(800) 957-4OSM
E-Mail: OSMEXPERT@AOL.COM

- *Sales Hardware/Software
- *Upgrades
- *Installations
- *Technical Support
- *Administration Support
- *End User & Executive Training
- *Networking
- *Groupware
- *Programming
- *Mobile Office
- *Cellular Backup
- *Infrastructure Design

Serving ALL of Southern California's Computing needs!

Vanished Children's Alliance
1407 Parkmoor Ave., Suite 200 • San Jose, CA 95126

Logan Ivey
Date of Birth: 7-25-93
Date Missing: 2-7-95
Missing From: Tracy, CA
Blond Hair, Blue Eyes
Family Abduction by Father

1-800-VANISHED

WISSEN COMPARTS, INC.
1655 E. 14TH ST. STE #B
LOS ANGELES CA 90021

TEL: (213) 627 - 1649
FAX: (213) 627 - 3949

HOURS :
MON - FRI
9:00 am - 5:30 pm

486 VLB BASIC

IBM 486 DX2-66 $ 829
AMD 486 DX4-100 $ 859

- 4MB 70ns RAM, ZIF Socket 256K Fast Cache
- 3.5" 1.44 MB Floppy Drive
- 540MB IDE Hard Drive
- 32 Bit VLB 1MB SVGA Accelerater Card
- 32 Bit VLB Enhanced IDE Controller Card
- 2 Serial, 1 Parallel, 1 Game Port
- 101 Enhanced Keyboard
- Dinos Mouse w/Mouse Holder & Dinos Pad
- Mini Tower Case w/230W Power Supply
- 14" .28 NI SVGA Monitor Full Screen
- Cooler Fan & Heat Sink

Upgarde from 4MB to 8MB +$120.00
Upgrade from 560MB to 850MB +$40.00

486 SUPER VLB MULTIMEDIA

IBM 486 DX2-66 $ 989
AMD 486 DX4-100 $ 1019

- 4MB 70ns RAM, Zif Socket 256K Fast Cache
- 3.5" 1.44 MB Floppy Drive
- 540MB IDE Hard Drive
- 32 Bit VLB 1MB SVGA Accelerater Card
- 32 Bit VLB Enhanced IDE Controller Card
- 2 Serial, 1 Parallel, 1 Game Port
- 101 Enhanced Keyboard
- Dinos Mouse w/Mouse Holder & Dinos Pad
- Mid Tower Case w/230W Power Supply
- 250ms 2X CD ROM Drive
- 16 Bit Sound Card
- Amplified Speakers
- 14" .28 NI SVGA Monitor Full Screen
- Cooler Fan & Heat Sink

Pentium Multimedia

Pentium 90 $ 1529
Pentium 100 $ 1619

- Pentium PCI/Local Bus ZIF Socket
- 8MB RAM 70ns, 256K Fast Cache
- 3.5" 1.44 MB Floppy Drive
- 540MB IDE Hard Drive
- PCI Windows Accelerater w/1MB SVGA Card
- PCI Hard Drive Controller Card (Upto 4 HD)
- 2 Serial, 1 Parallel, 1 Game Port
- 101 Enhanced Keyboard
- Dinos Mouse w/Mouse Holder & Dinos Pad
- Mid Tower Case w/230W Power Supply
- 250ms 2X CD ROM Drive
- 16 Bit Sound Card
- Amplified Speakers
- 15" .28 NI SVGA Monitor Full Screen

Pentium Super Multimedia

Pentium 90 $ 2059
Pentium 100 $ 2149

- Intel Triton Chip Set M.B.
- 8MB RAM 70ns, 256K Fast Cache
- 3.5" 1.44 MB Floppy Drive
- 850MB IDE Hard Drive
- Diamond Stealth 64 PCI w/2MB D-Ram
- Windows Accelerater SVGA Card
- PCI IDE w/IO High Speed 16550 uart
- 2 Serial, 1 Parallel, 1 Game Port
- 101 Enhanced Keyboard
- Dinos Mouse w/Mouse Holder & Dinos Pad
- Mid Tower Case w/230W Power Supply
- Super Quad Speed (4X) CD ROM Drive
- 16 Bit Sound Card
- Amplified Speakers
- 17" Digital NI SVGA Monitor Full Screen

Upgarde from 8MB to 16MB +$230.00
Upgrade from 850MB to 1.2GB +$65.00

CASES

Mini Tower 230W P/S	$ 35
Mid Tower 230W P/S	$ 50

CONTROLLERS

VLB IDE I/O	$ 16
PCI IDE I/O	$ 18

SOUND CARD

16 Bit Sound Card	$ 48
Sound Machine Pro 16	$ 49
VIBRA 16	$ 67

VIDEO CARDS

ISA Trident 8900D	$ 55
VLB Trident 9440D	$ 66
PCI Trident 9440D	$ 69
Diamond Stealth 64 PCI 2MB D RAM	$ 165

HARD DRIVE

560 MB	$ 156
850 MB	$ 189
1.2 G.B	$ 249

MODEM

14.4	$ 42
14.4 w/ Voice Mail	$ 52

MEMORY

CPU	CALL
SIMMS	AVAILABLE

PARTS

1.44 FD	$ 40
1.2 FD	$ 26
101 KB	$ 13
DINOS Mouse w/pad	$ 9.50
Trudox Wireless Mouse	$ 43
Mouse Pad	$ 1.25
Trudox Joystick	$ 15
Trudox JoyPad	$ 12

TERMS& CONDITIONS

All systems carry 2 years labor & 1 year parts warranty. All prices reflect a 3% cash discount. Prices and availability subject to change without notice.

Over 1,000 CD ROM Titles in Stock

FOR ADULTS ONLY

7th Guest	$ 14	Family Doctor	$ 10	Journeyman Turbo	$10	Mad Dog	$10	Myst	$ 23	Space Ace	$ 9	UFO	$ 18	Adult Plate	$ 18	Hidden Obession	$
Aegis	$ 19	Grolier's Ency. 7.04	$ 11	Just Grandma & me	$ 10	MS Bookshelf	Call	Outpost	$ 18	Simcity 2000	$ 17	US History	$ 10	American Girl 2	$ 13	Seymore Butts I	$ 34
Compton's Ency. 95	$ 10	Hell	$ 15	King Quest VII	$ 23	MS Dinosaur	Call	Ozzie World	$ 10	Strike Eagle III	$ 15	Where in the World of		Cathouse	$ 20	Seymore Butts II	$ 39
Cyberia	$ 17	Hobbe OS/2	$ 12	Legal Guide	$ 11	MS Encarta	Call	Rebell Assult	$ 14	TFX	$ 24	Carmen San Diego.	$ 11	Dream Machine	$ 28	Nilght Watch II	$ 29
Doom Companion	$ 11	Iron Helix	$ 8	Lor of the Ring	$ 11	MS Golf	Call	Rise of Robots	$ 15	The Zoo	$ 13	World Circuit	$ 11	Erotic Games	$ 10	Suit 18	$ 19
Down PPatrol	$ 17	Indy Car	$ 13	Lode Runner	$ 18	MS Money	Calll	Rise of Triad	$ 27	Trump Castle	$ 11	Wolf	$ 11	Exotic Poses	$ 18	Wonder Lust	$ 28
Dragon Lair	$ 20	Inca II	$ 10	Magic Carpet	$ 29	MS Work	Call	Return to Zork	$ 9	Tornado	$ 20	World History	$ 11	Hot Pics	$ 17	Winner Takes All	$ 28
Dragon Lore	$ 11	Jurassic Park	$ 14	Nas Car	$ 23	Megarace	Call	Star Trek	$ 18	Tuneland	$ 21	Whales	$ 11	House Dreams	$ 17	World's Best Brest	$10

CAD DRAFTING/PLOTTING SERVICE

HEWLETT PACKARD
Authorized Reseller
ARTISOFT INC.
NOVELL.
CADVANCE
AUTOCAD®

ARCHITECTS & ENGINEERS
UP TO $400 SAVINGS
ON H.P. DESIGNJET PLOTTERS
INCLUDING THE UNDER $2000 DESIGNJET 230!
CALL NOW FOR DETAILS!!
Lease and Financing Available. Trademarks belong to their respective owners.

5% OFF FIRST ORDER - PLOTTER SUPPLIES!

LOGICACHE COMPUTERS, INC.
CADD • COMPUTERS • PLOTTERS • SUPPLIES
PLOTTING AND DRAFTING SERVICE • WMBE
TEL: (714) 855-1211
FAX: (714) 855-3892
MODEM: (714) 855-0387
HOURS: M-F: 9 am to 6 pm
Sat & Sun: By Appt. Only
22691 Lambert St., Ste. 505
Lake Forest, CA 92630

EXPERIENCE • SINCE 1984 QUALITY • PRICE

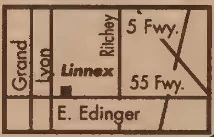
WE SPECIALIZE IN:
- COMPLETE NOVELL NETWORKING SOLUTIONS
- NETWORK ON-SITE SERVICE AND TRAINING
- IN-HOUSE CERTIFIED NETWORK ENGINEER
- CARRY MANY NETWORKING AND PC PERIPHERALS

Novell Certified NetWare Engineer

SPECIAL
INTEL POWER!
- Mid Tower/Desktop Case w/UL Power
- 256K Cache
- 8MB RAM
- 528MB IDE HD
- Teac 1.44MB, 3.5" FDD
- 14" 0.28 Dot N.I. SVGA Monitor
- PCI or VL SVGA Card w/1MB
- Enhanced IDE/2S/1P I/O
- 101 Enhanced Keyboard
- MS Compatible Serial Mouse
- DOS & Windows Optional

586-90/100MHz ....$1539/$1639
586-75MHz $1439
486-80/100MHz ....$1199/$1239

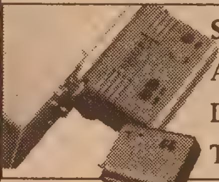
NOVELL/FCC/UL/CSA APPROVED



(714) 558-3399
Fax (714) 558-3219
LINNEX COMPUTERS, INC
1701 E. Edinger, C3 Santa Ana, CA 92705

Complete Service & Repair Department On Premises
Business Hours: M-F 9:00 am to 5:30 pm
Prices subject to change w/out notice.
Not responsible for typographical errors.

We Fix SCSI Problems And Improve SCSI Performance

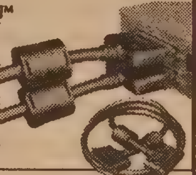


SCSIVue™ Active Diagnostic Terminator

- *Active Termination Increases Reliability*
- *Provides Regulated SCSI Voltage*
- *Automatically Adjusts As SCSI Changes*
- *Matches Cable Impedance Needs*
- *Gold Connectors Reduce Noise*
- *LEDs Diagnose SCSI Problems*

- *Heavy Duty (military type) Cable Construction*
- *Provides Best Impedence Match*
- *Foil, Braid, Ferrite Shielding Reduces Noise*
- *Data Transfers Are Dramatically Improved*
- *LED Provides Diagnostic Ability*
- *Reduces SCSI Retries and SCSI Errors*

SCSIVue™ Gold Diagnostic Cables



The quality of your SCSI Cables and Terminators has a direct effect on the performance and reliability of any SCSI bus. Using inexpensive "PASSIVE TYPE" Terminators and "UN-SHIELDED" Cables can cause many problems. Granite Digital has introduced the **SCSIVue** line of **Active Diagnostic Terminators** and **Gold Diagnostic Cables** to eliminate SCSI problems and to improve SCSI performance.

The **SCSIVue Active Diagnostic Terminator** is not only the best Active Terminator you can find, but also a SCSI analyzer. The **SCSIVue Gold Diagnostic Cables** are exclusively designed to provide the maximum protection available to the SCSI bus.

SCSIVue Terminator
Centronics 50 59
MicroD 50 79
MicroD 68 99
MicroD 68 Diff. 99

Granite D•I•G•I•T•A•L
SCSI

SCSIVue Gold Cables
25 Apple / 50 Cent.
2'/6' 49/59
50/50 Centronics
18"/3'/6' 59/69/79
50 Cent. / 50 MicroD
3'/6' 89/109
50/50 MicroD
18"/3'/6' ... 79/89/109
68/68 MicroD
18"/3'/6' . 129/139/159

Quantity & Dealer Discounts Available

Phone 510-471-6442 *Fax 510-471-6267*
Granite Digital • 3101 Whipple Road • Union City, Ca. 94587

interface and exchangeable files is that a two-platform office can standardize on the program. Files can be tossed around the network for various users to use and improve. In a small office, one can work on either platform, confident that the result will be useable by a client with a different sort of machine.

Is Inspiration For You?

It has the ability to import graphics, and draw tools are built in for embellishing the diagrams. It does not have some of the graphic abilities of a top-of-the-line presentation package. One would not be able to make a slide show with Inspiration alone, for instance. One can export both the diagrams and outlines to other programs.

It's possible to use Inspiration to diagram any process that involves symbols and connectors between symbols; libraries of logical and computer network symbols come with it. The program would be extremely useful to those who must track connected systems or make flowcharts.

If you need to brainstorm, Inspiration could be a godsend. By providing the tools to capture concepts on the fly, it lets you record ideas as they arise without worrying about formatting. With an LCD projector screen, or a video projector and video card, it could serve the same purpose for a group.

I have observed that the greatest loss of ideas in brainstorming seems to happen between the flipchart where ideas are captured in real time, and the transcription made later. With Inspiration there is no loss whatsoever. People who lead brainstorming groups should run right out and buy the product. ■

Copyright © 1995 by Birrell Walsh. All rights reserved.

RESOURCES:

Inspiration 4.1 for Macintosh
Inspiration 4.0a for Windows
$129.00
Inspiration Software, Inc.
7412 S.W. Beaverton Hillsdale Hwy., Ste. 102
Portland, OR 97225-2167
Voice: (503)297-3004
Fax: (503)297-4676
Toll-free: 1-800-877-4292
Web: www.inspiration.com

ALL SYSTEMS WE SELL CARRY A...

3-YEAR INTERNATIONAL WARRANTY*

WE BUILD TO YOUR SPECS!

486 SYSTEMS

VLB

All of our 486 Systems include 72 hour burn-in and...

- Vesa Local Bus
- 4 MB RAM
- 1.44 Floppy Drive
- IDE/IO (VLB)
- 1MB SVGA VLB
- 14" SVGA 1024x768 Color .28 Monitor (NI)
- 101 Enhanced Keyboard
- Mini-Tower Case
- Serial Mouse

SURGE PROTECTOR

486 DX2-66

All of the above, PLUS...

- ✓ 128K Cache
- ✓ 560MB Hard Drive
- ✓ CPU Cooling Fan

$959

486 DX2-80

All of the above, PLUS...

- ✓ 256K Cache
- ✓ 560MB Hard Drive
- ✓ CPU Cooling Fan

$1010

3 yr Warranty*

486DX2-66 by ACER

All of the above PLUS..

- ✓ all ACER components, incl. Monitor
- ✓ 256K Cache
- ✓ 560MB Hard Drive
- ✓ MS DOS 6.2 & Windows 3.11 inc. manuals

$1129

OPTIONS

8MB total RAM	add $139
1.2GB Hard Drive	add $169
15" Monitor	add $89
2X CD-ROM	add $75

MULTIMEDIA KITS

ACER 625 2X CD-ROM Bundle with:

- S30 "Creative Labs" Sound Card
- 4 Watt Amplified Speakers
- CD Titles

$149 *COMPLETE*

ACER 2X CD-ROM Bundle with

- Fast, 280 ms, multi-session, 625E
- S30 "Creative Labs" Sound Card
- 4-Watt Amplified Speakers
- Microsoft Titles: Encarta, Golf, Works, Ancient Lands

$212 *COMPLETE*

CREATIVE LABS DISCOVERY 4X

- Quad Speed Drive
- Creative Labs 16 Bit Sound Card
- Creative Labs speakers
- 18 titles - Great Value!

$329 *COMPLETE*

PENTIUM SYSTEMS

PCI

All of our PENTIUM Systems include 72 hour burn-in and..

- 256K Cache
- 4 PCI, 4 ISA slots
- 8 MB RAM 72 Pin
- 14" SVGA .28 Monitor, 1024x768 NI.
- PCI IDE/IO 16550 Uarts
- 560 MB Hard Drive
- Diamond Stealth SE PCI SVGA (1MB)
- 1.44 Floppy Drive
- Deluxe Medium Tower Case
- 101 Keyboard
- Serial Mouse
- CPU Cooling Fan

SURGE PROTECTOR

Pentium 75
$1399

Pentium 90
$1499

3 yr Warranty*

Pentium 100
$1579

OPTIONS

16MB total RAM	add $279
1.2GB Hard Drive	add $169
15" Monitor	add $89
2MB Diamond Stealth 64	add $80

UPGRADES

UPGRADE YOUR 286/386 COMPUTER SYSTEM

MOTHERBOARDS & MEMORY

SPECIAL!!! 486SLC40 Motherboard	$69
486DX VLB Motherboard DX-4 Ready, ZIFF socket, Accepts 72-Pin Simm Memory	$93
INTEL PENTIUM 75/90/100 Motherboard w/256K Cache.........FAST....	$133
486DX2-66 MHz w/128K Cache, w/4MB RAM, VLB 486 DX2/66 CPU	$279

HARD DISKS & TAPE

560MB DRIVE	$161
850MB DRIVE	$199
1.2GB (IDE) DRIVE (WD)	$331

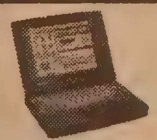
CARDS

IDE with I/O 16550 Uart	$21
IDE with I/O (VLB)	$21
SVGA S3, VLB, 1MB (to 2MB)	$79

MODEMS

14.4 Internal Fax/Modem	$55 - $74
14.4 Fax/Modem with VOICE	$84
28.8 Cardinal (Int.)	$159
28.8 US Robotics (Ext)	$247

COMPAQ NOTEBOOK



- Aero 486Sx25 Subnote
- 4MB RAM
- 80MB Hard Drive
- PCMCIA (Type II)
- DOS 6.2, WINDOWS 3.11, WINLINK (w/Cable) LOTUS ORGANIZER, TABWORKS
- One Year Warranty

Add 1.44 External Floppy drive $119

$729

While Supply Lasts

3-YEAR WARRANTY*

Is your computer nearing the END of its Warranty??? We can **EXTEND** your WARRANTY (parts & labor) for an additional TWO YEARS. Only **$99.95!**

*Full-Coverage. Parts & Labor for 3 years, by **PC Service** or, anywhere in the world. Offer includes Power & Modem SURGE PROTECTOR as a Special Bonus. Dealer inquiries welcome.

FACTORY AUTHORIZED REPAIR ON MOST BRANDS

PRICES AND AVAILABILITY SUBJECT TO CHANGE WITHOUT NOTICE

PC SERVICE

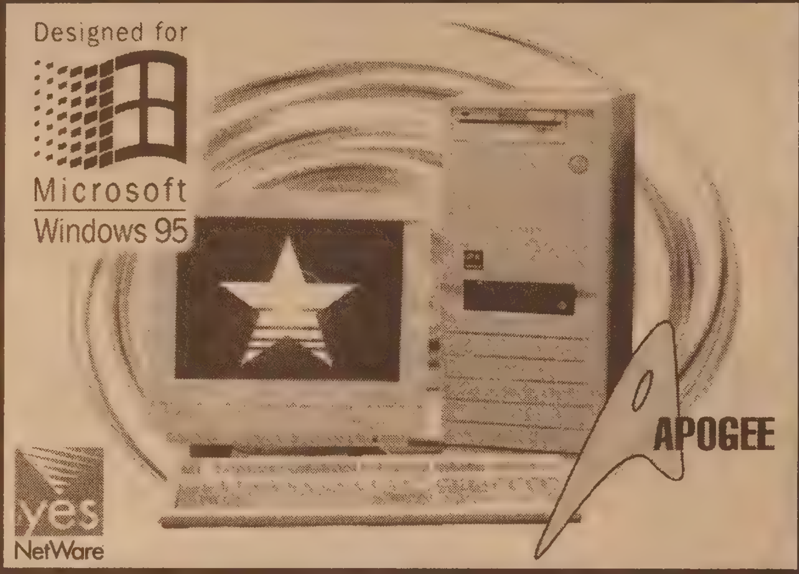
818-887-0040

818-887-1470 (Fax)

21600 Ventura Blvd. • Woodland Hills CA 91364

Trademarks are property of their respective owners

Goodbye DOS! We'r



Since 1984, GST / Micro City has focused on providing highl compatible, high quality, high performance systems backed by outstanding service and support at a reasonable price.

GST / Micro City operates its own FCC testing labs, checkin not only emissions, but our system's compatibility with all of the major operating systems including the new highly awaited Microsoft Windows 95.

AApogee VLB75BB

Windows® 95 Ready!

Perfect for Upgrading!

- ☆ Intel 486DX4/75 Processor
- ☆ 4MB RAM, 256k cache
- ☆ 3.5" High Density Floppy Drive
- ☆ VLB Graphics card w/1MB
- ☆ VLB Enhanced IDE Controller
- ☆ 101 Enhanced Keyboard
- ☆ Mini Tower Case with PS

Monitor and Hard Drive not included!

$584.00

DX4/100MHz $609.00

AApogee VLB75

Windows® 95 Ready!

- ☆ Intel 486DX4/75 Processor
- ☆ 8MB RAM, 256k cache
- ☆ 540MB IDE Hard Drive
- ☆ 14" Green, NI 0.28 1024 x 768 SVGA Monitor
- ☆ 3.5" High Density Floppy Drive
- ☆ VLB Graphics card w/1MB
- ☆ VLB Enhanced IDE Controller
- ☆ 101 Enhanced Keyboard
- ☆ Mini Tower Case with PS
- ☆ Teac Quad-Speed CD-ROM Drive
- ☆ SoundBlaster 16-bit Sound Card
- ☆ Microsoft Mouse
- ☆ MS-DOS 6.22 & Windows® for Workgroups 3.11

$1459.00

DX4/100MHz $1484.00

EPSON Stylus Color Print

- ◆ True 720 dpi resolution; reproduce color images on special paper with even sharper resolution!
- ◆ Microweaving, microhalftoning and microfeeding for the best color and monochrome printing.

$509.00

AApogee Power75BB

Windows® 95 Ready!

Upgrade to a Pentium!

- ☆ Intel Pentium 75MHz Processor
- ☆ 8MB RAM, 256k cache
- ☆ 3.5" High Density Floppy Drive
- ☆ Diamond Stealth 64-bit PCI Graphics Card w/2MB
- ☆ IDE / PCI Controller
- ☆ 101 Enhanced Keyboard
- ☆ Mini Tower Case with PS

Monitor and Hard Drive not included!

$999.00!

Pentium 90MHz $1139.00
Pentium 100MHz $1249.00

AApogee Power90M

Windows® 95 Ready!

- ☆ Intel Pentium 90MHz Processor
- ☆ 8MB RAM, 256k cache
- ☆ 1.2GB IDE Hard Drive
- ☆ 15" Green, NI 0.28mm 1024 x 768 SVGA Monitor
- ☆ 3.5" High Density Floppy Drive
- ☆ Diamond Stealth 64-bit PCI Graphics Card w/2MB
- ☆ Teac Quad Speed CD-ROM Drive
- ☆ SoundBlaster 16 Sound Card
- ☆ 101 Enhanced Keyboard
- ☆ Medium Tower Case with PS
- ☆ Microsoft Mouse
- ☆ MS-DOS 6.22 & Windows® for Workgroups 3.11

$2159.00

Pentium 100MHz $2279.00

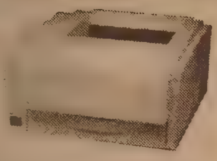
EPSON ActionLaser 1100 Print

- ◆ High-definition la printing at 300 resolution with PostSc Level 2 option availab
- ◆ 4 ppm print engi
- ◆ Comes with 22 fo eight scalable to any s
- ◆ 1MB of mem expandable to 5M
- ◆ Limited two-year warra

$389.00

Vindows® 95 Ready!

serJet 5P Printer

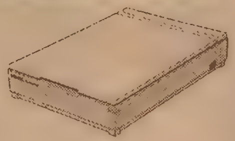


) x600 dpi
n.
mory,
ble to

vith 45
onts built-in & another 65
onts on disk!
age-per-inute print engine!

869.00

HP ScanJet 3P Scanner



- Professional 256 grayscale image and text scanning!
- Features an optical resolution of 300 dpi with an enhanced resolution of 1200 dpi.
- Comes bundled with Calera WordScan OCR software for your text scanning needs and HP DeskScan II scanning software.
- Incredible new low price!

$309.00

skJet 600 Printer

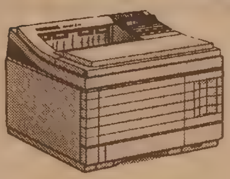
Best Buy!

- 600 X 600 dpi crisp black printing.
- 300 dpi printing in color with purchase of optional color kit!.

3 page-per-minute print engine

279.00!

HP LaserJet 4 Plus Printer



12ppm!

- 600 dots-per-inch output
- *New 12 page-per-minute print engine*
- 45 internal scalable typefaces
- 2MB of standard memory (expandable to 32MB).

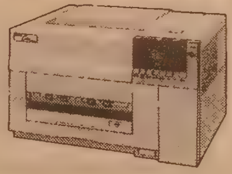
$1365.00

skJet 660C Printer

crisp
600 dpi
olor at
0 dpi
high-
up to
es-per-minute in color!
s fonts for all occasions.
s 95 compatible.

$475.00

HP Color LaserJet Printer



- Features eight full colors & millions of halftones
- Uses direct-to-drum imaging for exceptional print registration
- Fast color printing at speeds up to 2 pages-per-minute

$CALL

HEWLETT PACKARD
Authorized
Reseller

We're also an HP Authorized Plotter Dealer!
for incredible pricing on the entire line of HP Plotters!

GST/MICRO CITY℠
Smart selling since 1984!

Cerritos
17707 Valley View Blvd.
(714) 739-0106
FAX (714) 739-8291

San Juan Capistrano
New Location!
31888 Plaza St. # C10
(714) 489-0226
FAX (714) 489-0591

San Diego
9370 Waples Street
(619) 552-9355
FAX (619) 552-9016

Hours
Mon-Fri: 9am - 6pm
Sat 10am - 5pm
(Cerritos CLOSED Saturdays)

ALL ADVERTISED PRICES REFLECT A 2% CASH DISCOUNT - GOOD ONLY WITH AD!

E-Mail Us Quotes On The Internet At:
gst@primenet.com

We accept Corporate and Government Purchase Orders

Ask our representatives about our optional 3 Year On-site service contracts

Ask About Micro City's Revolving Credit Plan - Mastercard & Visa Accepted - Stock may not be available in some stores - We are not responsible for errors in typography and/or photography.

Windows is a registered trademark of Microsoft in the U.S. and other countries. The Intel inside logo is a registered trademark of Intel Corporation Inc.

Prices good thru August 19th, 1995

Smart Businesses Plan Ahead:
Don't Miss Your Opportunity To Be In The

1995 California Dealers Guide

Reach 500,000* Potential Customers

Deadline to get in your free editorial listing is September 29

It's a Fact:

- **73.9%*** of *MicroTimes* readers purchased products advertised in *MicroTimes.*
- **57.8%*** contacted a *MicroTimes* advertiser for more information.

Attract customers into your company during the most important selling season and throughout the following year. They will see your listing next to an exciting lineup of editorial features, including our own writers' picks for the best hardware and software products of 1995, *plus* over 30 pages of Buyers Guide announcing new products and special offers.

Benefits of Listing in Dealers Guide

- Showcase your company's products and services such as networking, multimedia, database technology, Internet support, and other specialties.
- *MicroTimes*' special promotions, including special mailings and regular in-issue promotional advertisements, will increase visibility and build consumer excitement for this year-round resource.
- Your store's name and other information will be listed alphabetically by geographical area in a separate directory of vendor-authorized sales, service, training and support providers. If you're authorized to provide these services for Novell, IBM, Apple, Sun, Hewlett-Packard, or other name brand products, please give us that information so we can include your name in the vendor-authorized listings.

All Successful Businesses Need Successful Advertising

Make sure you're part of this important resource to generate the sales that will make your fourth quarter a success! Complete and sign the attached reseller poll form and mail or fax it back by September 29, 1995.

** Figures based on data compiled through an independent reader survey, conducted by Research USA, Inc., May 1995.*

MICROTIMES 1995
7th Annual Reseller Poll

Mail to: Reseller Poll, 3470 Buskirk Ave., Pleasant Hill, CA 94523
Fax: (510) 934-7351
Deadline: September 29, 1995
Please use separate forms for multiple store locations

Store Name: ______________________________
Store Manager: ______________________________
Address: ______________________________
City: ________________ **State:** ____ **Zip:** _____ **Phone:** ____________
Fax: ____________ **email:** ____________ **URL:** ____________

What is your specialty?
☐ Computer hardware
☐ Training
☐ Web Page development
☐ Video
☐ Software
☐ Notebooks
☐ CD Titles
☐ Desktop Publishing
☐ Software development
☐ Networking
☐ Peripherals
☐ Multimedia
☐ Mobile Office
☐ Internet Provider

List your top 3 specialties and in-house expert for each:

Specialty	Expert
1. ____________	____________
2. ____________	____________
3. ____________	____________

What software operating systems does your business support?
☐ Windows (specify) ____________ ☐ MS-DOS ☐ UNIX ☐ OS/2 ☐ Macintosh

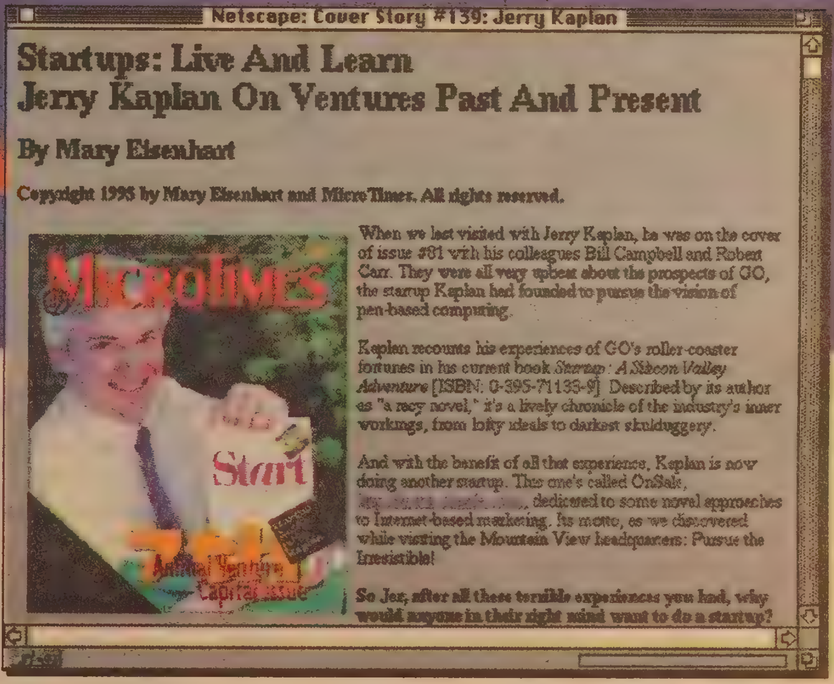
What special value-added services (e.g., service, training, support, warranties, return policy, etc.) does your business offer? *(Please keep responses under 25 words or we will edit them to fit available space.)*
____
____
____

Are you a vendor-authorized sales, service, training, and/or support source?
If so, please list up to five vendors (e.g., Apple, IBM, Novell, Hewlett-Packard, Compaq) who have authorized your business to provide these services, and check the areas for which you're authorized.

Vendor	Sales	Service	Support	Training
1. ____________	☐	☐	☐	☐
2. ____________	☐	☐	☐	☐
3. ____________	☐	☐	☐	☐
4. ____________	☐	☐	☐	☐
5. ____________	☐	☐	☐	☐

I certify that all the statements made in this survey are true.

Name: ____________ **Signature:** ____________
Title: ____________ **Date:** ____________


Netscape: Cover Story #139: Jerry Kaplan
MICROTIMES
Start
Annual Venture Capital Issue

Startups: Live And Learn
Jerry Kaplan On Ventures Past And Present

By Mary Eisenhart

Copyright 1995 by Mary Eisenhart and MicroTimes. All rights reserved.

When we last visited with Jerry Kaplan, he was on the cover of issue #81 with his colleagues Bill Campbell and Robert Carr. They were all very upbeat about the prospects of GO, the startup Kaplan had founded to pursue the vision of pen-based computing.

Kaplan recounts his experiences of GO's roller-coaster fortunes in his current book *Startup: A Silicon Valley Adventure* [ISBN: 0-395-71133-9]. Described by its author as "a racy novel," it's a lively chronicle of the industry's inner workings, from lofty ideals to darkest skulduggery.

And with the benefit of all that experience, Kaplan is now doing another startup. This one's called OnSale, [illegible], dedicated to some novel approaches to Internet-based marketing. Its motto, as we discovered while visiting the Mountain View headquarters: Pursue the Irresistible!

So Jer, after all these terrible experiences you had, why would anyone in their right mind want to do a startup?

MICROTIMES™ on the WEB

The adventure begins...

nd we want you to help design and test our site on the orld Wide Web! Set your browser to:

ttp://www.microtimes.com/

e're in the process of evaluating the best way to serve you in the nline world and we need your input. Tell us what you think!

ontact editors at *microx@well.sf.ca.us*

Check out our site, make suggestions, and offer new ideas. Currently, what you'll find is:

- The most recent cover story
- Web page listings with links
  - to advertisers' home pages
  - to writers' home pages
- User group, BBS, and calendar listings of the latest and hottest classes, seminars, and other computer-related events
- Information on *MicroTimes* services
  - How to subscribe
  - How to advertise in *MicroTimes*
  - Where to find an issue
  - How to obtain back issues

MicroTimes offices: 3470 Buskirk Ave., Pleasant Hill, CA 94523 (510) 934-3700 • 36 Harold Ave., #2, San Jose, CA 95117 (408) 244-4400
6767 Forest Lawn Dr., #110, Los Angeles, CA 90068 (213) 851-8600 • 801 E. Katella, #210, Anaheim, CA 92805 (714) 939-2809

INTERNET • BY JOHN S. QUARTERMAN AND SMOOT CARL-MITCHELL

WWW Users And The Big Three

Online Services Meet The Web

World Wide Web

traffic has grown explosively—exactly how much is hard to measure.

Before the NSFNET backbone was decommissioned early this year, it provided partial statistics. NSFNET was only one network of tens of thousands of networks in the Internet, and only one of several national backbone networks in the Internet in the United States. However, it was an important one, and it was the only one that released traffic statistics to the public. These statistics were collected by Merit, Inc., and released through *ftp://NIC.MERIT.EDU/nsfnet/statistics/1993/nsf-9301.highlights* . These statistics are recorded by TCP port, which means that the WWW data is for the Hypertext Transfer Protocol (HTTP).

In 1993, HTTP traffic over NSFNET grew by 2115 times in packets and 2891 times in bytes. These aren't percentages, they are factors. In percentages, they would be 211,500% and 289,100%.

In 1994, HTTP traffic over NSFNET grew by "only" 17 times (1700%) in packets and 15 times (1500%) in bytes. See Table 1. For comparison, FTP data traffic approximately doubled each year, following closely the underlying growth rate in nodes of the Internet itself.

The second fastest growing protocol was Gopher, which increased 8 or 9 times in 1993 and about 2.5 times in 1994.

www		**1993**	**12/92**	**12/93**
	packets	2115 times	323850	685153950
	bytes	2891 times	77975950	2147483647
www		**1994**	**12/93**	**12/94**
	packets	17.0 times	685153950	2147483647
	bytes	15.4 times	2147483647	2147483647
gopher		**1993**	**12/92**	**12/93**
	packets	7.83	146666950	1148324150
	bytes	9.04	2147483647	2147483647
gopher		**1994**	**12/93**	**12/94**
	packets	2.42	1148324150	2147483647
	bytes	2.51	2147483647	2147483647

With this explosive growth of WWW traffic, many people are wondering how many Web users there are on the Internet.

The Big Three

Meanwhile, Prodigy began permitting its users WWW access in January 1995, and CompuServe and AOL are following suit; this leads many people to believe that a huge proportion of Web users are suddenly going to be on such big conferencing systems.

The so-called Big Three (or BT for short; the ones named above) must have good marketing, since people's impressions of their sizes are far out of proportion to how big they really are.

AOL, CompuServe, and Prodigy have somewhere around four million users combined. It's not clear that even half of those users ever send an electronic mail message off their home system, and there is to date no evidence that many of them have figured out how to use the WWW.

Meanwhile, in October 1994 there were more than twelve million users on the Consumer Internet without counting any of the BT or their ilk. Essentially all of those 12M users can have WWW access if they want it. (We are talking about the Internet here, not users of mail-only networks, nor users of unconnected LANs nor unconnected mainframes.)

Ninety-two percent of organizations on the Internet in October 1994 had WWW users (see "Summary of the Results, Second TIC/MIDS Internet Demographic Survey," MN April 1995, and see also URL: *http://www.mids.org/mids/pressgen.html*). This doesn't say how *many* of the users in those organizations used the WWW, but given the ready availability of client interfaces such as Netscape, Mosaic, and Lynx, any of them who want it can have it.

If their organization is worried about security, all they have to do is put up a proxy server, which is not a big problem, either. (Only somewhere around a quarter of firewalled organizations actually do run proxy servers, but the rest mostly permit users to connect out directly; we will return to this point in a later column.)

Looking Forward

Let's assume about 75% of these Consumer Internet users shown by the second MIDS sur-

> AOL, CompuServe, and Prodigy have somewhere around **four million users** combined. It's not clear that even **half** of those users **ever send** an electronic mail message off their home system, and there is to date **no evidence** that many of them have **figured out** how to use the WWW.

OPEN THE DOOR TO THE INTERNET!

Open the door to the Internet
TOTAL
INTERNET
ACCESS
Everything You Need to Get On the Internet... Today!

This software is your key to the internet!

Call our BBS and get it right now FREE!

Or call us and we'll send it to you!

TotalAccess™ to the internet is just minutes away!

EarthLink Network™ is proud to announce the release of TotalAccess, a complete software and Internet connection package for Windows. TotalAccess makes accessing the Internet easier than ever.

TotalAccess includes Netscape Navigator™, award-winning Internet access software, Eudora™, the most popular Internet email software in the world, and everything you need to register for complete Internet access in 5 minutes. Best of all, the software is FREE with your registration.

TotalAccess offers inexpensive local dial-up access for as little as $19.95 for over 450 hours per month of free access time. Access with speeds of up to 28.8k bps!

TotalAccess also includes the least expensive toll-free 800 access in the world!

EarthLink Network Registration sets up your Internet account in 5 minutes.

TotalAccess Internet Dialer connects you to EarthLink Network at up to 28,800 bps.

Netscape Navigator is powerful Internet access software. *PC Magazine* "Editor's Choice" award winner.

Get TotalAccess right now!

Using your modem, call 213-644-9291 with your terminal [illegible] your computer. Ensure you have the binary option selected on your terminal software.

[illegible] Run. Click Browse and find the setup.exe file in the same directory as the tawin.exe. Click OK to install the TotalAccess registration software and get started. -or-

[illegible] to have TotalAccess sent to you.

Online help and how-to gives you everything from Internet basics to tips & tricks on finding what you're looking for.

Eudora Email is the most popular Internet email program in the world.

FREE technical support from our friendly technical support staff.

EarthLink Network™

CALL NOW! 213-644-9500

EarthLink Network, Inc. 3171 Los Feliz Boulevard, Suite 203, Los Angeles, CA 90039
Fax: 213-644-9510 Via email: info@earthlink.net Live human via email: sales@earthlink.net

©1995 EarthLink Network, Inc. Trademarks are property of their respective owners. Netscape Communications, Netscape, Netscape Navigator and the Netscape Communications logo are trademarks of Netscape Communications Corporation

INTERNET

Services for Individuals

PPP/SLIP

Your computer is connected directly to the Internet! Run the latest graphical software such as MOSAIC and Netscape. Includes Full News, E-Mail Address, Personal Web Page, Telnet Shell, and much more. Free preconfigured, easy to install Windows and Macintosh Software that includes the PPP/SLIP software, Netscape, Eudora, UseNet News Reader, Telnet, Gopher, and FTP.

Sampler Account:	$9.95/mo.	$1.75/hr. after 5 free hours
Regular Account:	$24.95/mo.	$1.50/hr. after 75 free hours
PowerUser Account:	$39.95/mo.	$1.25/hr. after 150 free hours
One-Time Setup Fee:		$19.95 (for any account type)

Additional services available for the enthusiast or small business:

Sign-Up Online!

You can sign-up online by dialing any of Delta's local access numbers from your computer (N,8,1). Login as 'guest' with a password of 'newuser'. You will be presented with a comprehensive menu system that will provide detailed information and guide you through the sign-up process. If you prefer to talk to an account representative, or need additional info, call (714) 778-0370.

Services for Business

World Wide Web

Delta has a full range of WWW hosting services. From economical shared public servers to high performance private dedicated servers, and secure transaction capability, Delta can host the simplest Home Page to the most sophisticated form and database oriented applications. Delta's expert staff can provide as much assistance as you may need to develop your company's complete presense on the Internet including WWW Home Page design and construction, FTP, Gopher and List Servers.

Commercial WWW hosting starts at $49.95 per month and includes monthly access statistics and basic forms capability.

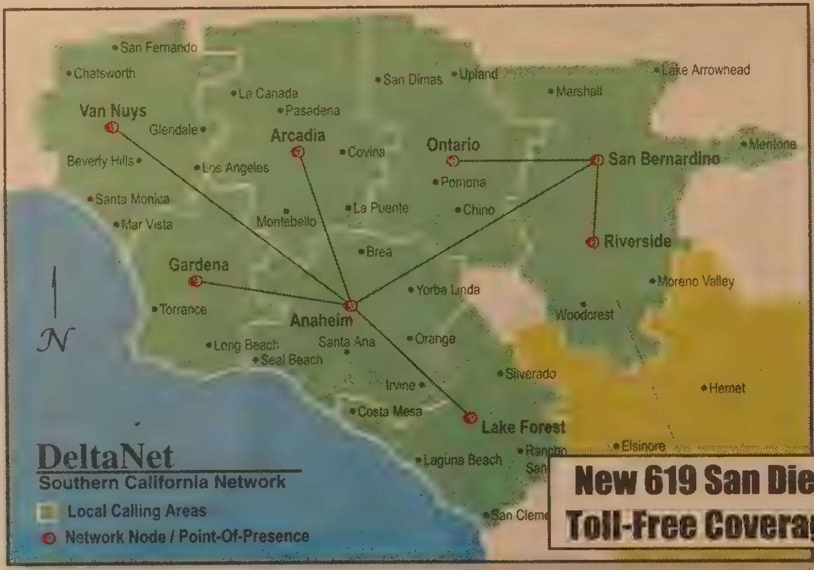
Dedicated Connections

Delta's robust wide area network infrastructure can provide local leased-line connections, from 56K to T1 and above, over most of the Southland. Delta also offers unlimited dial-up PPP with IP routing, dedicated ISDN, and nation-wide frame relay access.

Consulting and Training

Delta's expert staff can provide training and consulting services for virtually any Internet or Wide Area Network related project.

Exclusively 28.8Kbps v.34 Modems, The First and Only in Southern California
Free Windows and Macintosh PPP/SLIP Software - Friendly Telephone Support



New 619 San Diego Toll-Free Coverage!

The Southland's Most Extensive Internet Network

With strategically located Internet Nodes and advanced regional fiber optic technology, Delta offers the customer local access numbers, local leased-line connectivity and unrivaled access speed throughout the Southland.

Anaheim *(310 and 714)*	714 778-8400
Lake Forest *(714)*	714 597-8100
Arcadia *(213 and 818)*	818 821-4400
Van Nuys *(213, 310 and 818)*	818 997-1300
San Bernardino *(909)*	909 381-2000
Riverside *(909)*	909 222-0200
Gardena *(310 and 213)*	310 217-9200
Ontario *(909)*	Call for Number
San Diego *(Entire PacBell 619 Area)*	619 977-1291
Encinitas *(619)*	619 633-4360

© Copyright 1995 Delta Internet Services. Trademarks are the property of their respective owners.

DeltaNet

731 East Ball Road - Suite 204 - Anaheim - CA 92805 - (714) 778-0370 - FAX: (714) 778-1064
WWW: http://www.delta.net/ Human: sales@delta.net Automated: info@delta.net

DELTA INTERNET SERVICES

> In October 1994 **more than a million** of those twelve million Consumer Internet users had **access through full-service** Internet Service Providers, of which there are now more than six hundred, and whose **growth rate is greater** than that of the Internet at large.

vey actually do use the WWW. Given the historical (more than six years worth) growth rate of the Internet of doubling annually, one would assume that number is bigger by now. The BT would also have grown, and by how much depends on whose marketing you believe.

Let's be generous and make the unlikely assumption that the BT are also doubling in size annually, so the proportions would remain similar. Let's also be generous and assume a quarter of BT users use WWW.

$((12 * 0.75) + (4 * 0.25)) / (12 * 0.75) = 0.11$

That's about an 11% increase in WWW users by adding in the BT, using assumptions very generous to the BT....

ISPs

Incidentally, in October 1994 more than a million (>10%) of those twelve million Consumer Internet users had access through full service Internet Service Providers, of which there are now more than six hundred, and whose growth rate is greater than that of the Internet at large. It's quite difficult to discover exactly how many such users there were then or now, but we're working on it.

Our suspicion is that this segment of the Internet population (which has full-service Internet access) may have already approached the size of the BT user population (which has limited and mediated access), or even surpassed it. Stay tuned. ■

Copyright ©1995 by John S. Quarterman and Smoot Carl-Mitchell, tic@tic.com . Texas Internet Consulting (TIC), (512)451-6176, fax: (512)452-0127, 1106 Clayton Lane, Suite 500W, Austin, TX 78723 U.S.A.

DO BUSINESS ON THE INTERNET

ONLINE BUSINESS SERVICES:

- Catalogs
- Databases
- Search Indexes
- Sales (Check/Credit)
- Password Protection
- Remote Administration
- Executive Usage Report
- Electronic Advertising
- Domain Name Registration (yourcompany.com)
- Low Cost T1 Digital Internet Connections
- CGI, NSAPI, Programming
- Internet Access for LANS
- PPP Dialup Access (ISDN &28.8kbps)
- SMTP/POP3, FTP, WAIS, Gopher Servers
- Image Digitizing
- File Servers Optimized for the Internet
- Firewalls
- Internet Business Consulting
- Windows NT & Purveyor Certified Solution Provider

CyberWorld
10401 Venice Blvd. Suite #239•Los Angeles CA. 90034
Tel: 310/839-6267 Fax: 310/839-5422

CINENET
COMMUNICATIONS, INC.
email: info@cinenet.net web: http://www.cinenet.net

INTERNET
for your
BUSINESS

Web Publishing & Server Rentals
Web Development Suite
Web Page Design
Custom HTML/CGI Script Programming

Dialup Access
Shell Accounts: Flat $14/month
Easy to use menu with Email, Usenet News, FTP, Telnet, Gopher, IRChat, Lynx (WWW Browser)
SLIP/PPP: $24.50/month for 150 hours

Business Services
ISDN, 56K, Frame Relay and T-1 dedicated access
Domain Name Service/Registration

310•301•4500
Modem: 310•301•4501 (login as guest)
Fax: 310•301•4511

ONLINE SERVICES • BY BILL GRAM-REEFER

eWorld Opens Its Golden Gate

All-Apple Service Announces New Features

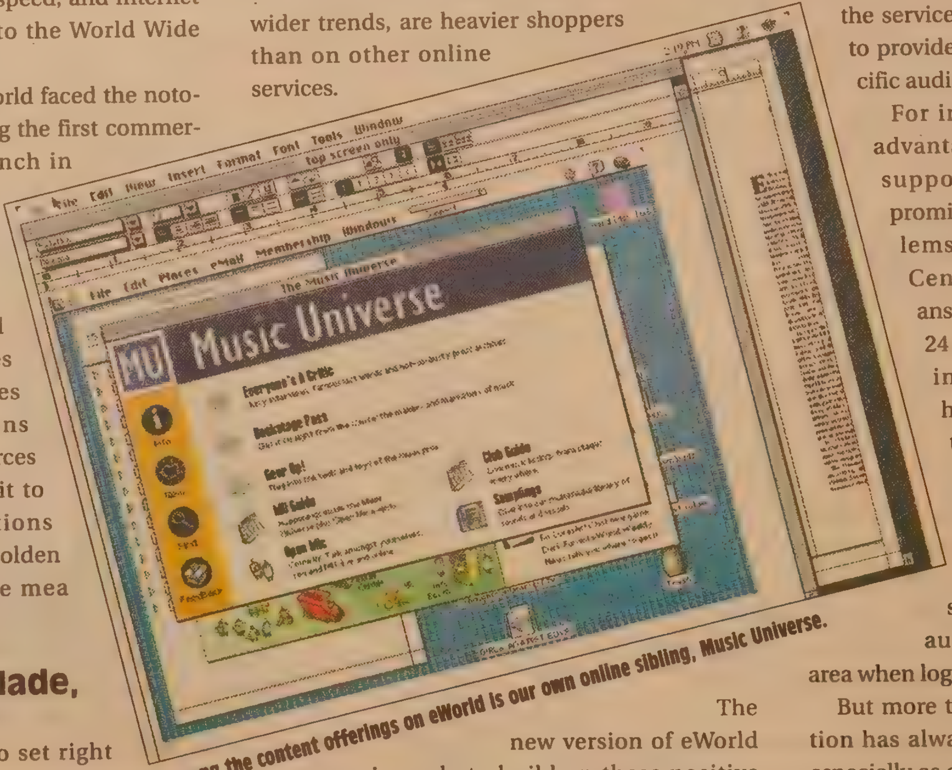
Just a year old, Apple Computer's eWorld online service celebrated its June birthday with the release of its new version that delivers a pot full of enhancements and features. Code-named Golden Gate, eWorld's online environment will now provide more support, speed, and Internet services including access to the World Wide Web.

During the past year, eWorld faced the notoriety and challenges of being the first commercial online service to launch in many years. After going up against the established graybeards in CompuServe, Delphi, America Online, and Prodigy, eWorld executives acknowledge that mistakes were made and lessons learned. In fact, some sources within eWorld freely admit to the current public relations activity surrounding the Golden Gate release as being the mea culpa tour.

Mistakes Were Made, Lessons Learned

Penitent, eWorld is out to set right those mistakes and move on. Originally, eWorld, like most Apple products, was priced too high, while the lack of a free trial offer and a delay in full bundling with all Macintosh systems limited acceptance.

But fall 1994 brought a free trial, and a price break occurred at the beginning of this year, and more bundling and consistent ramping of content has helped double eWorld's base of subscribers to about one hundred thousand, with content providers numbering over 275. Understanding that even Rome was not built in a day, eWorld numbers are encouraging with a high percentage of "active" users and a 60% retention rate, while some online shopping vendors admit that eWorld subscribers, bucking wider trends, are heavier shoppers than on other online services.



Among the content offerings on eWorld is our own online sibling, Music Universe.

The new version of eWorld is ready to build on these positive indicators. In working with the beta release, the first thing I noticed was it seemed a lot faster. Plus, expanded 14.4 access into 250 US cities especially paves the way for expanded Internet services, including Usenet newsgroups, FTP file servers, and searchable mail lists. eWorld adds the ability to log onto the service over the Internet, providing for the possibility of much faster access times, beyond 14.4 Kbps or even 28.8 Kbps throughput.

eWorld's Human Face

Since eWorld's subscribers fall increasingly into "traditional" Apple categories (home, education, and small business and creative users) the service has introduced unique features to provide increased support to those specific audiences.

For instance, Apple users can take advantage of expanded, direct online support from Apple, where, it is promised, questions or computer problems posted to eWorld's Customer Center will be given a personal answer by Apple support staff within 24 hours. Other ease-of-use features include "Intelligent Mail" that helps users manage their mail better with routines that can file, process and even automatically respond to new messages. Users can also maintain and manage a variety of address books, even send them to other users, or be automatically routed to a specific area when logging onto the service.

But more than any other, content presentation has always been the mantra for eWorld, especially as such online services become more important venues for advertisers—okay, call them content providers. According to Apple, "online services today are about data—some call it shovelware. Successful mass media is not about data, it is about emotion, personality, attitude, and point of view."

easy INTERNET ACCESS

Bring the world to your Windows desktop today!

Find out what all the excitement IS about the Internet. Join the millions taking advantage of the galaxy of information and services available at their fingertips!

The Internet offers you:

WORLD WIDE WEB

The fastest growing sector of the Internet. Its user-friendly interface allows you to view text, hypertext, video and sound files.
You can even build a Homepage and put it up on the Internet for your own Global Presence!

GOPHER

As the name implies, an easy way to help you find articles and files of interest to you from the vast storehouses of information on the Internet.

E-MAIL

A fast, economical and easy way to send and receive messages from around the corner or around the world. One of the most widely used services on the Internet E-mail doesn't require paper and is easy to dispose of.

FTP

The candy store of the Internet, with one major difference - everything is free! Download files, articles, shareware programs, games and information.

NEWSGROUPS

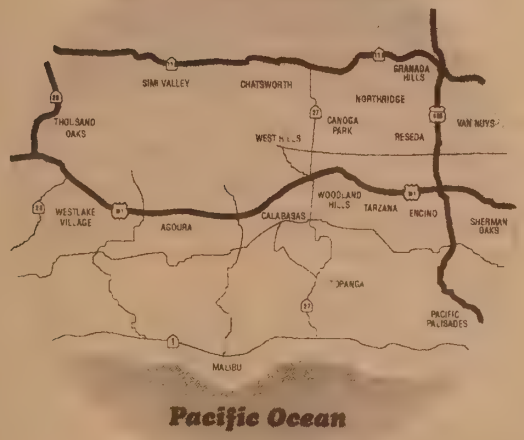
Talk to people on every topic available under the sun, find tips and pointers to areas of interest to you, download incredibly beautiful graphics files and helpful programs and utilities.

IRC

Internet Relay Chat, allows you to converse in real-time with others on topics of interest to you.

InfoDial offers you:

- Superfast Setup. Just give us a call, and you'll be up and navigating your way along the Information Superhighway within the hour. InfoDial's Internet Access Pak(tm) gives you all the software you'll need to navigate the Net.
- High Speed Leased Line access for speeds up to 1.544/MG/second. Call InfoDial today to choose froma variety of High Speed options.
- Dial up access supporting speeds up to 56,000bps, for both unlimited and basic accounts.
- Worldwide Web Hosting services. Create your own HomePage, or work with InfoDial to create your company's commercial presence on the Internet.



InfoDial's Service Area

InfoDial, Inc.

(818) 346-3350
(818) 346-3360 FAX

WWW = http://www.infodial.net
E-Mail us at: sales@infodial.net

If you think
28.8 is fast...
think again.

Surf the Web
and the Internet
with ISDN at
57.6 and you'll
never want
to go back
to your old
modem.

UNLIMITED ACCESS
TWICE AS FAST AS 28.8
FOR ONLY $45 PER MONTH

DirectNet, your personal and professional connection to the Internet has dozens of high speed **ISDN** connections waiting for you.

Effortlessly communicate with people around the world. Use e-mail to keep in touch with friends, browse the **World Wide Web,** research thousands of information sources instantly and download software with just a few clicks of your mouse. And with ISDN, make the Web come to life at speeds that start at 57.6Kb/s.

Call DirectNet today and let us put the power of the Internet to work for you. At speeds you never thought possible and at prices that will make you wonder what you've been waiting for!

DIRECT NET
3333 Wilshire Blvd., #607
Los Angeles, CA 90010
http://www.directnet.com
info@directnet.com

213.
383.
3144

ALL FLAT RATES
ALL THE TIME
NO HOURLY
CHARGES

SHELL
PPP/SLIP
INTERNET MA

ONLY
$19.95/month
SLIP/PPP

Southwest Nineteen Networks

Accounts designed for the SERIOUS Internet Users

With our accounts you will secure a connection to the fastest and newest trends on the Internet using the World Wide Web, News, Gopher, Telnet & FTP. Call for your connection **NOW!**

(714) 991-1919

http://www.snni.com E-mail info@snni.com

Getting online is easy. We supply a Windows disk containing all you need to gain access to the internet. Classes available for Internet Training also.

Southwest
Nineteen
Networks
Voice (714) 991-1919
Data (714) 518-2040
http://www.snni.com
E-Mail info@snni.com

Monthly Costs -DIAL UP 28.8 modem	
Unlimited Shell access, with five hours of SLIP/PPP access FREE:	$15.95
SLIP/PPP access, includes shell and 50 hours SLIP/PPP access	$19.95
150 hours SLIP/PPP access	$34.95

The key focus for Apple, from day one, has always been to provide a context that helps make content compelling and meaningful to subscribers. To that end, eWorld has introduced its new "Compound Multi-Media Document Architecture" that lets publishers create provocative documents or pages that combine text and graphics into a seamless easy-to-navigate whole. The presentation of content motif has also driven the introduction of other new features and tools that will increasingly allow users and publishers to have more control over the presentation environment.

A "Calendar Viewer" notifies users of events of particular interest. There is also the ability to "listen" to speakers in a conference using Apple's PlainTalk technology. eWorld even allows for playful variations of the town square that users download into their art folders, providing for alternative scenes depicting Winter, Martian, high desert, or holiday-themed backdrops.

The "presentation" theme also works its way into the Internet services as well. As online services increasingly become the gateway to the Internet, Apple is very aware that this brings more new users to the table who, frankly, usually need help getting their bearings in the jumble that is the Internet.

RESOURCES:

eWorld
1-800-775-4556

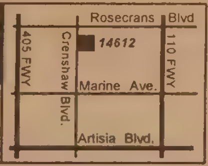
According to Hardie Tinkersley, Internet services product manager for eWorld, "Most people are new to the Net. Unlike direct Internet connections, eWorld just doesn't drop you into the morass, but provides context, pointers, and road signs to help users find their way more readily." To that end, using its expertise in human interface design, the new release of eWorld will provide important support information, including help on such topics as "what does HTTP mean?" to constantly updating the lists of interesting places to visit and hip goings-on around the Net.

The eWorld Web browser, strikingly similar to AOL's, is a licensed version of WebShark from InterCon Systems Inc.; it incorporates support for most Internet standards including HTML 2.0, backgrounds, in-line JPEG and GIF images, and CERN authentication. Pages are always active, too, so you don't have to wait for a page to load before you click somewhere else. Plus eWorld will maintain a cache of popular Web sites in its own data center so that high-traffic areas can be accessed more readily. And, as on AOL, a number of web sites will be integrated into the main areas about eWorld's village for quicker access.

Moving beyond its own core service, eWorld is developing specific Web pages to better serve its core audiences of educators, home, and small-business users. For instance, the Learning Center (*www.eworld.com/*) is a marvelous collection of pages divided into News, Apple Education Resources, Museum, School House, Library, and Government Center. In the School House you'll find a large number of links to K-12 and college-level Web pages all over the world. With Apple's ongoing leadership in the education market, these pages deserve not only attention, but applause. ■

Copyright © 1995 by Bill Gram-Reefer. All rights reserved.

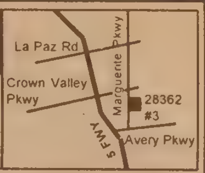
(310) 769-1970
Gardena
14612 Crenshaw Blvd.
Gardena, CA 90249
Fax (310) 523-9190



KAMFOZ
COMPUTERS

All systems come with a one year warranty, extended support & service option available. **Dealer inquires welcome**

(714) 347-9563
Mission Viejo / Orange
28362 Marguerite Park Way Unit 3
Mission Viejo, CA 92691
Fax (714) 347-9565
(Next to LEXUS car showroom)



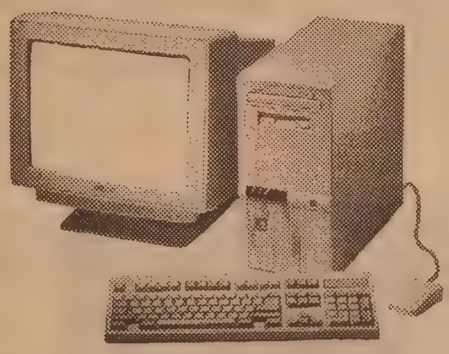
Prices subject to change without notice.

Guaranteed Low Prices And Great Services

486DX-66/100 Mhz *Computer System*

- *486DX2-66/100Mhz AMD CPU VLB/ISA W/256K CACHE W/CPU FAN
- *4 MB Ram 70ns 72 pin
- *420 MB IDE Hard Drive
- *32 BIT 1MB SVGA VLB Card
- *32 BIT VLB AT I/O & IDE Card
- *DIGITAL Mini Tower Case w/ps
- *1.44 MB Floppy Drive
- *101 BTC Enhanced key board
- *3 button serial mouse
- *14"SVGA .28 N.I. Full Screen Shamrock w/2years warranty

UL & FCC Class 2 Approved



*** Multimedia Kit:** Quad Speed CD Rom,16 Bit MCD SoundCard, 4+4 watts Speakers

System only	***W / Multimedia***
486DX2-66 **$799.00** *Economical Pack*	486DX2-66 **$999.00** *4X CD ROM*
486DX4-100 **$866.00** *Economical Pack*	486DX4-100 **$1065.00** *4X CD ROM*

PENTIUM 586-90/100MHZ

- *586-90/100MHZ PENTIUM MOTHER BOARD, W/586-90/100 INTEL CPU PCI+ ISA - ZIF SOCKET, 256K CACHE - BUILT IN IDE+I/O W/16550 CHIP,W/CPU FAN
- *PCI 1MB D RAM TRIDENT
- *8 MB RAM 72 PIN 70NS
- *540 MB HD IDE
- *1.44 MB FDD
- *KEYBOARD 101 B.T.C. ENHANCED
- *MINITOWER CASE W/P.S.
- *MICROSOFT COMPATIBLE MOUSE
- *14" SVGA .28 N.I. Full Screen SHAMROCK WITH 2 YEARS WARRANTY. UL & FCC Class 2 Approved

Pentium Intel 586-100 **$1299.00**

intel inside

Pentium Intel 586-90 **$1249.00**

CD ROM Bundle Deal

Quad speed 4Xi with 16 bit MCD Sound card + Deluxe Speakers set.

$199.00 *Quad Speed*

$139.00 *Double Speed*

SPECIAL ! SPECIAL! SPECIAL!

560MB IDE *SAMSUNG*	$157.00
850MB IDE *CONNER/MAXTOR*	$199.00
Accer(SONY) 4X speed CD Rom	$159.00

MONITORS / *SHAMROCK*

FULLSCREEN W/GREEN FEATURE

	14" SVGA 1024X768 .39 30-38KHZ	$189.00
	14" SVGA 1024X768 .28NI 47-50KHZ	$215.00
1502P	15" SVGA 1280X1024 .28NI	$299.00
1502PL	15" SVGA 1280X1024 .28NI Low Radi...	$320.00
1703	17" SVGA 1280X1024 .28NI	$549.00
1702	17" SVGA 1600X1280 .26NI	$649.00
1702L	17" SVGA 1600X1280 .26NI Low Radi...	$669.00
2002L	20" SVGA 1600X1280 .28NI Low Radi.	$1145.00
2102L	21" SVGA 1600X1280 .28NI Low Radi.	$1440.00

SIMMS MEMORY

256 K SIMMS 80ns	$ 14 00
1Meg SIMMS 70ns 30 PNN 1X3	$ 38.00
4Meg SIMMS 70ns 30 PIN 4X3..	$126.00
72 PIN SIMMS MEMORY	
4Meg SIMMS 70ns 72pin 1X32..	$142.00
8Meg SIMMS 70ns 72pin 2X32	$279.00
16Meg SIMMS 70ns 72pin 4X32	$499.00
72 PIN SIMMS MEMORY W/PARITY	
4Meg SIMMS 70ns 72pin 1X36	$169.00
8Meg SIMMS70ns 72pin 2X36	$299.00
16Meg SIMMS 70ns 72pin 4X36	$525.00
E.D.O. 72 PIN SIMMS MEMORY	
4Meg SIMMS 70ns 72pin 1X32	$169.00

ACCESSORIES

MiniTower case w/ps 230w	$ 35.00
MidCompact case w/ps	$ 49.00
MidTower case w/ps 230w	$ 65.00
Desktop case w/ps 230w	$ 45.00
FullTower case w/ps 250w	$ 69.00
1 2 MB FD 5" 1/4	$ 36.00
1.44 MB FD 3" 1/2	$ 32.00
Key Board 101BTC	$ 12.00
Key Board Focus 2001	$ 35.00
3 button serial Mouse (Generic)	$ 6.00
Microsoft mouse 2 buttons	$ 25.00
420 MB Tape Backup Conner w/420 cart	$149.00
250 MB Tape Backup...."	$129.00

HARD DISK DRIVES

540MB IDE *MAXTOR/CONNER*	$175.00
560MB IDE *SAMSUNG*	$157.00
850MB IDE *CONNER / MAXTOR*	$199.00
1.2 GB IDE *MAXTOR / CONNER*	$259.00
1.2 GB IDE *WESTERN DIGITAL*	$335.00
540MB SCSI	$199.00
1.08GB SCSI	$399.00
2.1GB SCSI	$699.00

CD ROM Drives

Panasonic double speed	$ 89.00
Toshiba 4X speed IDE	$198.00
Panasonic Quad speed IDE	$185.00
Accer(SONY)Quad speed CD Rom	$159.00
Toshiba 4.4X speed 3601B SCSI...	$299.00

SOUND CARDS / SPEAKERS

Sound Blaster ......*Creative Lab*	$ 73.00
16Bit MCD sound card by Opti chip....	$ 46.00
Speaker 2+2 watts	$ 12.00
Speaker 15+15 watts	$ 49.00
SOUND IMPRESSION *by BOCA*	
FAX / MODEM / VOICE MAIL 14,400 & 16 BIT STEREO MCD + IDE SOUND CARD ALL IN ONE	$169.00

FAX / MODEMS

14,400 Fax/Modem internal	$ 55 00
14,400 Fax/Modem/Voicemail	$ 69.00
28.8 Fax/Modem internal	$139.00
14,400 Fax/Modem/external US Robotic.	$119.00
14,400 Fax/Modem/internal US Robotic...	$ 99 00
28,800 Fax/Modem/internal US Robotic...	$229.00
28,8 fax/Modem external	$139 00

CONTROLLERS

16bit AT I/O 2S,1P,1G	$ 13.00
16bit AT I/O & IDE 2S,1P,1G,2HDD,2FDD.	$ 15.00
ISA 16550 HIGH SPEED I/O CARD	$ 29.00
VLB AT I/O & IDE 2S,1P.1G,4HD,2FD enh	$ 25.00
PCI IDE & I/O enhanced controller	$ 39.00
PCI IDE & I/O Enhanced w/16550	$ 49.00
VLB SCSI 2 Adaptec AHA2842	$170.00
PCI SCSI 2 Adaptec AHA 2940	$199.00

CPU

586 Pentium CPU	
Pentium 586-120 Mhz CPU	$ CALL
Pentium 586-100 Mhz CPU	$374.00
Pentium 586-90 Mhz CPU	$339.00
486 Intel & AMD CPU	
INTEL 486-DX4 100 MHZ	$175.00
AMD 486-DX4 100 MHZ	$118.00
INTEL486-DX2 66 MHZ	$120.00
AMD 486-DX2 66 MHZ ..3V..	$ 95.00

MOTHER BOARDS

486-DX	
VLB 486-DX W/256K Cache Zif Socket .	$ 80.00
PCI/ISA 486-DX W/256K Cache Zif Socket Built-in IDE&I/O W/16550 Chip	$ 119.00
586 PENTIUM	
586-90/100/133MHZ *W/256k CACHE - ZIF SOCK BUILT IN AT+I/O W/16550 CHIP*	$ 186.00
INTEL TRITON 586-90/100/133 *256K CACHE ZIF SOCKET BUILT IN AT I/O+IDE W/16550 CHIP (ORIGINAL INTEL CHIPSET)*	$ 209.00
INTEL ZAPA 586-90/100/133 *256K CACHE ZIF SOCKET BUILT IN AT I/O+ IDE W/16550 CHIP (E.D.O. RAM OPTION)*	$ 269.00

NETWORK CARDS

NE-2000 2in1 PCI	$ 99.00
NE-2000 2in1 16Bit	$ 39.00
NE-2000 16bit PCMCIA 16 Bit	$149.00
NE-2000 Pocket size 2in1	$129.00

All prices are cash / check

Not responsible for typo.
All product names are trademarks of their respective companies.

VISA

Special **$99.00**

VLB 2.25MB V RAM SVGA VIDEO CARD

VIDEO CARDS

ISA VGA 256K Video Card	$ 26.00
ISA VGA 512K Video Card	$ 37.00
ISA SVGA 1 MB Video Card	$ 56.00
VLB SVGA 1 MB 1024X768 Trident	$ 69.00
Diamond Stealth & ATI 64 bit Video Card	
PCI /VLB D Ram 1MB (upgradable to 2MB)	$124.00
PCI /VLB 2MB D Ram	$169.00
PCI /VLB 2MB V Ram	$269.00
MPEG full screen motion video Windows version	$165.00
MPEG full screen motion video variable	$199.00

PRINTERS

HP *Inkjet/Laser*		**EPSON** *LASER & DOT MATRIX*	
HP540	$ 289.00	Action1100	$399.00
HP540C	$ 329.00	STYLUS-720color	$510.00
HP560C	$ 439.00	STYLUS-800	$225.00
HP660C	$ CALL	LQ570+	$245.00
HP4P	$ 915.00	LQ870	$454.00
HP4Plus	$1355.00	LQ1070+	$389.00
HP4L	$ 499.00	Action1500	$469.00
PANASONIC *DOT MATRIX*		**CANON** *BUBLEJET*	
KX-P1150	$129.00	CANON BJC-600e	$469 00
KX-P2023	$199.00	CANON BJ10SX	$239 00
KX-2130	$210.00	CANON BJ200e	$239 00
KX-P2135 color	$ CALL		

Business Hours:
Mon to Fri: 9AM to 6PM
SAT: 10AM to 4 PM

Web Page Listings

Looking for beaches to Netsurf? Herewith we present an assortment of cool, interesting, and informative Web sites to tickle your fancy and stimulate your mind.

@LA
http://emporium.turnpike.net/A/atLA- The most complete cyberspace guide to sites with a realspace presence in the LA area. [Exp. #144.]

3Com Corporation on the Web
http://www.3com.com New product and service information from 3Com, featuring information on adapters, hubs, and internetworking products. [Exp. #139.]

24-Hour Recorded Job Lines for the San Francisco Bay Area
http://www.webcom.com/~rmd/bay-area/joblines.html Listing of jobline numbers. Also, pointers to other local employment resources and online job listings. [Exp. #140.]

Access Monterey Peninsula!
http://www.mty.com Access Monterey! features extensive information for the Monterey Peninsula and sponsors a weekly trivia contest. [Exp. #140.]

Adult CD-ROM Outlet
http://www.webcom.com/~dml/nubody/nubody.html The best in mail-order Adult CD-ROMs with pictures and free catalog. 18+ only. [Exp. #142.]

Agora Digital
http://www.agora.net/ Online service for new and traditional media, including searchable database of industry talent. [Exp. #143.]

Aimnet Corporation
http://www.aimnet.com Prices and services for Aimnet, an ISP for the Bay Area and Silicon Valley. [Exp. #139.]

Air Brokers International
http://www.aimnet.com/~airbroker Visit places around the world, online world travel newsletter, circle the globe, Asia, Pacific. [Exp. #143.]

Albin Engineering Services, Inc.
http://www.hooked.net/users/aesi/ Albin Engineering Services, a leading placement firm, has several openings for SW Engineers. [Exp. #144.]

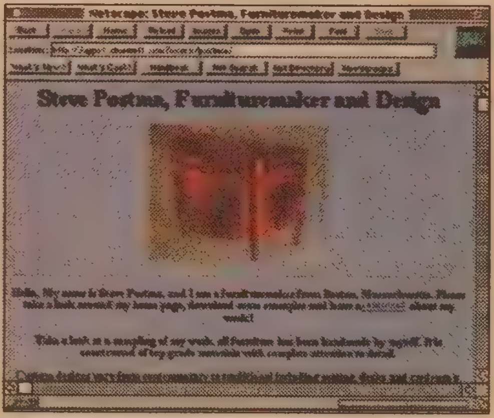
The Aloha Dateline
http://users.aimnet.com/~ayl/aloha.htm "I found love on the Aloha Dateline! It's a fun, safe, exciting way to meet!" [Exp. #142.]

Altera Corporation
http://www.altera.com Company/product information, job opportunities for Altera (NASDAQ: ALTR), leader in high-performance programmable logic devices and CAE tools. [Exp. #142.]

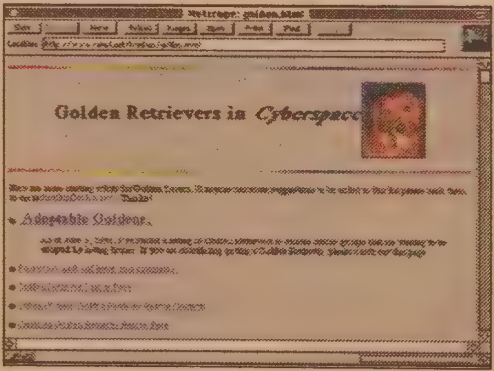
American Bar Association
http://www.abanet.org General facts and resources on the law, continuing legal education courses and requirements, ABA info. [Exp. #141.]

American Communications Association
http://www.uark.edu/depts/comminfo/www/ACA.html For those interested in communication research, communication law, freedom of information, free speech, First Amendment. [Exp. #141.]

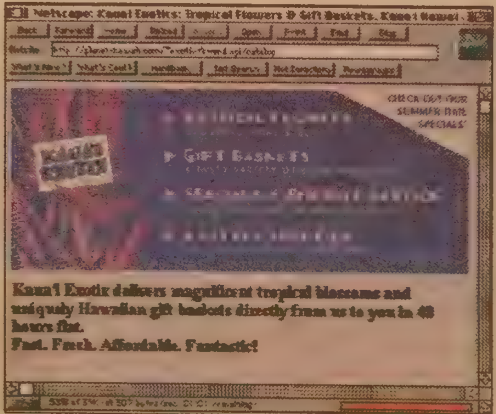
Apartment Locators, Inc.
http://www.homefair.com/apt.aptla.html Apartment hunting in LA and Orange County areas. [Exp. #144.]



http://www.channel1.com/users/postma



http://www.rahul.net/hredlus/golden.html



Kaua'i Exotix delivers magnificent tropical blossoms and uniquely Hawaiian gift baskets directly from us to you in 48 hours flat.
Fast. Fresh. Affordable. Fantastic!

http://planet-hawaii.com/~exotix/

AP Research
http://www.apresearch.com Market research reports and consulting services for PC cards (PCMCIA). [Exp. #141.]

Around-The-World Airfares & Adventures
http://www.highadv.com High Adventure Travel's catalog of discount around-the-world airfares, Himalayan treks, African Safaris, etc. [Exp. #143.]

Art & Artist Network
http://voyager.via.net/netbiz/artist.html International directory of artists, art galleries, and art-related services. [Exp. #141.]

Astrology by Moonlight
http://voyager.via.net/netbiz/astrol.html Monthly personal horoscopes and astrological information. [Exp. #141.]

Astro-Temp
http://voyager.via.net/netbiz/atemps.html High-paying "temp" jobs available now by astrological sign. [Exp. #141.]

The Athlete's Diary
http://alumni.caltech.edu/~slp/tad.html The Athlete's Diary for Windows, Mac, and DOS—complete information and full-featured demo copies. [Exp. #140.]

Australian Embassy
http://www.aust.emb.nw.dc.us General background on Australia, US-Australia trade, the defense relationship, and answers to frequently asked questions. [Exp. #140.]

Azule of Saratoga, Florist
http://www.portal.com/~jdoll/joes/azule Say it with flowers! Order direct via the Net. We ship by wire worldwide. [Exp. #139.]

BahnWare
http://www.bahnware.com/bahnware BahnWare develops WWW solutions for business marketing, distributed engineering, and personal use. Magellan GPS Systems WWW site. [Exp. #139.]

Batman Forever
http://batmanforever.com Artwork, trailers, storyboards, behind-the-scenes glimpses into the making of Batman Forever, and more. [Exp. #143.]

Bay Area Internet Solutions
http://www.bayarea.net Full service ISP, specializing in connecting businesses to the Internet. Web design and hosting. (408)447-8690. [Exp. #144.]

Bay Area Movie Guide
http://www.movietimes.com Bay Area Movie Guide offers movie listings, information, reviews, links to movie company web sites, videos, sound clips, publicity photos, and general cinema information. [Exp. #144.]

Bay Area Real Estate Network
http://www.dnai.com/~ted An excellent resource for buyers and sellers in the Bay Area! [Exp. #140.]

Bay Area Transit Information Project
http://server.berkeley.edu/Transit/ Provides up-to-date public transit information for the San Francisco Bay Area. [Exp. #140.]

BayNet Real Estate
http://www.baynet.com/re.html The Bay Area real estate site. Enter ads for free, search through hundreds of listings. [Exp. #141.]

Unbeatable Prices from CNC ...

Vantage Basic

Pentium 75	**$1338**
Pentium 90	**$1428**
Pentium 100	**$1498**
Pentium 120	**$1834**

- 256k External Cache
- 8MB RAM expandable to 128MB
- NEC 1.44" 3.5" Diskette Drive
- Western Digital 1.2GB 10ms Fast ATA-2 Drive
- Diamond Stealth Video 64 2MB VRAM Card
- 1 Parallel & 2 Serial ports
- Honeywell 101-key Keyboard
- MS-DOS 6.22 - Pre-installed
- Windows for Workgroup 3.11 - Pre-installed
- Microsoft Mouse 2.0
- One Year Warranty

Vantage Multimedia Plus

Pentium 90	**$1883**
Pentium 100	**$1953**
Pentium 120	**$2289**
Pentium 133	**$2513**

- 256k External Cache
- 16MB RAM expandable to 128MB
- NEC 1.44" 3.5" Diskette Drive
- Western Digital 1.2GB 10ms Fast ATA-2 Drive
- Toshiba Quad-Speed CD-ROM Drive
- Creative Lab Vibra 16 Card with Speakers
- Diamond Stealth Video 64 2MB VRAM Card
- 1 Parallel & 2 Serial ports
- Honeywell 101-key Keyboard
- MS-DOS 6.22 - Pre-installed
- Windows for Workgroup 3.11 - Pre-installed
- Microsoft Mouse 2.0
- One Year Warranty

Vantage Power

Pentium 100	**$2168**
Pentium 120	**$2504**
Pentium 133	**$2728**
Pentium 150	**$3138**

- 256k Pipeline Burst External Cache
- 16MB EDO RAM expandable to 128MB
- 1.44" 3.5" Diskette Drive
- Western Digital 1.2GB 10ms Fast ATA-2 Drive
- Toshiba Quad-Speed CD-ROM Drive
- Creative Lab 16 Vibra Card with Speakers
- Diamond Stealth Video 64 2MB VRAM Card
- 1 Parallel & 2 Serial ports
- Honeywell 101-key Keyboard
- MS-DOS 6.22 - Pre-installed
- Windows for Workgroup 3.11 - Pre-installed
- Microsoft Mouse 2.0
- One Year Warranty

Vantage Power Plus

Pentium 100	**$3173**
Pentium 120	**$3509**
Pentium 133	**$3733**
Pentium 150	**$4143**

- 512k Pipeline Burst External Cache
- 32MB EDO RAM expandable to 128MB
- 1.44" 3.5" Diskette Drive
- Western Digital 1.6GB 9ms Fast ATA-2 Drive
- NEC Six-Speed CD-ROM Drive
- Creative Lab 16 Vibra Card with Speakers
- Diamond Stealth Video 64 2MB VRAM Card
- 1 Parallel & 2 Serial ports
- Honeywell 101-key Keyboard
- MS-DOS 6.22 - Pre-installed
- Windows for Workgroup 3.11 - Pre-installed
- Microsoft Mouse 2.0
- One Year Warranty

Notebook

Toshiba

T2100CT	*486/50 8MB 330MB*	$Call
T2130CT	*486/75 8MB 500MB*	$Call
T2150CDT	*486/75 8MB 500MB*	$Call
T2450CT	*486/75 8MB 500MB*	$Call
T4900CT	*P/75 ... 8MB 772MB*	$Call
T610CT	*Pentium 90MHz*	$Call

Monitor

CTX

1451C	*14" .28 1024x768*	$226
1562CLR	*15" .28 1024x768*	$329
1765GM	*17" .27 1280x1024*	$649
1785GM	*17" .26 1600x1280*	$689

MAG

DX-15	*15" .28 1024x768*	$325
DX-17	*17" .26 1280x1024*	$599
MXP-17	*17" .26 1280x1024*	$859

Nanao

F2.15	*15" .28 1280x1024*	$558
F2.17	*17" .28 1280x1024*	$889
F760i-W	*21" .28 1600x1200*	$1989

NEC

XV15	*15" .28 1024x768*	$429
XV17	*17" .28 1024x768*	$799
XE15	*15" .28 1024x768*	$539
XE17	*17" .28 1024x768*	$998

Video Card

Diamond

Stealth 64	*64-bit 1MB DRAM*	$125
Stealth 64	*64-bit 2MB VRAM*	$265
Stealth 64 Video	*64-bit 1MB DRAM*	$125
Stealth 64 Video	*64-bit 2MB VRAM*	$255

Number Nine

GXE64		$179
GXE64 Pro	64-bit PCI 1MB	$355
Imagine 128	128-bit PCI 4MB	$Call

Trident

9440 PCI	*64-bit PCI 1MB*	$65

Optical Drive

Fujitsu

DYNA230B	*230MB Internal*	$589

Panasonic

Power Drive 2	*Optical & 4x CD*	$Call
LF-7304A	*1.5GB Internal*	$Call
LF-7300	*1.5GB External*	$Call

Sound Card

Creative Lab

Sound Blaster Vibra 16	$68
Sound Blaster 16	$69
Sound Blaster 16 MCD	$69
Sound Blaster 16 SCSI-2	$Call
Sound Blaster AWE32 V/Edition	$175

Multimedia Package

Creative Lab

Sound Blaster Value CD	$189
Sound Blaster New Discovery CD	$239
Digital School House	$275
Edutainment CD	$419
Sound Blaster Discovery 4X CD	$339

CD-ROM

Mitsumi

FX-400	*Quad-Speed ATAPI*	$159

NEC

MultiSpin 4Xi	*Quad-Speed SCSI*	$379
MultiSpin 4Xe	*Quad-Speed SCSI*	$459
MultiSpin 6Xi	*Six-Speed SCSI*	$472
MultiSpin 6Xe	*Six-Speed SCSI*	$549

Panasonic

563	*Double-Speed ATB*	$549

Pioneer

UA124X	*Quad-Speed ATAPI*	$159
DRM624X	*Quad-Speed SCSI*	$620

Plextor

PX-43CS	*Quad-Speed SCSI*	$299
PX-63CS	*Six-Speed SCSI*	$480

Sony

CDU-55E	*Dual-Speed ATAPI*	$99
CDU-76E	*Quad-Speed ATAPI*	$159

Toshiba

5302	*Quad-Speed ATAPI*	$159
5301	*Quad-Speed SCSI*	$262
3601	*Quad-Speed SCSI*	$285

CD-ROM Title

Microsoft

Encarta 95	$39
Bookshelf 95	$29
Ancient Land	$26
Dangerous Creatures	$26
Baseball	$29
Family Pack	$59
Dinosaurs	$Call

Hard Disk

Conner

CP850A	*850MB ATA-2 14ms*	$189
CP1275A	*1.2GB ATA-2 10ms*	$238
CP4207S	*4GB . SCSI .. 9ms*	$Call

Maxtor

71050A	*1GB ATA-2 12ms*	$225
71260A	*1.2GB ATA-2 12ms*	$239
71626AP	*1.6GB ATA-2 12ms*	$430

IBM

31080	*1.08GB . SCSI10.5ms*	$420

Quantum

XP32150S	*2.1GB . SCSI .. 8ms*	$Call
XP34300S	*4.3GB . SCSI .. 8ms*	$Call
XP32150W	*2.1GBW/SCSI 8ms*	$Call
XP34300W	*4.3GBW/SCSI 8ms*	$Call

Seagate

ST5850A	*850MB ATA-2 12ms*	$Call
ST51220A	*1.08GB ATA-2 12ms*	$Call
ST15230N	*4.29GB . SCSI .. 9ms*	$1130
ST32550N	*2.14GB . SCSI .. 8ms*	$990
ST15150N	*4.29GB . SCSI .. 8ms*	$Call
ST410800N	*9.09GB . SCSI 11ms*	$2455
ST32550W	*2.14GBW/SCSI 8ms*	$1080
ST15150W	*4GBW/SCSI 8ms*	$1560

Western Digital

AC2850	*850MB ATA-2 10ms*	$192
AC31000	*1GB ATA-2 10ms*	$245
AC31200	*1.2GB ATA-2 10ms*	$289
AC31600	*1.6GB ATA-2 .. 9ms*	$529

Tape Backup

Colorado

Jumbo 350	*350MB internal QIC*	$169
Travan T1000	*400/800MB internal*	$199

Exabyte

4200	*2GB SCSI DAT*	$849
8500XLE	*7/14GB SCSI DAT*	$2215

WangDAT

3200	*4/8GB SCSI DAT*	$899

Controller Card

Adaptec

AHA-2842	*32-bit VL SCSI*	$189
AHA-2940	*32-bit PCI SCSI*	$189

DPT

DM2024-90	*32-bit PCI SCSI*	$285
DM2124-90	*32-bit PCI SCSI*	$420

Modem

Boca

Sound Expession 16	$155

Creative Lab

Modem Blaster 14.4	$99
Blaster 19.2 Voice	$149
Phone Blaster	$225

Aspen

14.4 Internal	$48
28.8 Internal	$168

US Robotics

Sportster 14.4	$92
Sportster 28.8	$219
Courier V34	$Call
Sportster 14.4 PCMCIA	$179

Operating

IBM

OS/2 Warp	$Call

Novell

Netware V3.12 5 User	$555
Netware V4.1 5 User	$578
Netware V4.1 10 User	$1328
Netware V4.1 25 User	$1874

Network Card

3Com

3C509	*16-bit ISA Ethernet*	$115
3C509 10BT	*16-bit ISA Ethernet*	$111
3C509 Combo	*16-bit ISA Ethernet*	$123
3C590 Combo	*32-bit Fast 10/100*	$185

CNC

10Base-T	*16-bit ISA Ethernet*	$41
Combo	*16-bit ISA Ethernet*	$45

Intel

EtherExpress 16	$99
EtherExpress Pro/10	$109
EtherExpress Pro/10	$118
EtherExpress Pro/100	$219

Microdyne

NE2000T+	*16-bit ISA Ethernet*	$69
NE2000+3	*16-bit Ethernet*	$84
NE2500T	*16-bit Ethernet*	$94
NE5500	*32-bit PCI Ethernet*	$151

Operating

3Com	***$Call***

Motherboard

Asus

P55TP4	$209
P55TP4-XE	$249

FIC

PT-200	$199

Intel

Zappa	$245
Endeavor	$Call

Processor

Intel Pentium CPU 75MHz	$245
Intel Pentium CPU 90MHz	$325
Intel Pentium CPU 100MHz	$398
Intel Pentium CPU 120MHz	$790
Intel Pentium CPU 133MHz	$Call
Intel Pentium CPU 150MHz	$Call

Memory

1 x 32	*4MB 72 pin SIMM*	$132
2 x 32	*8MB 72 pin SIMM*	$255
4 x 32	*16MB 72 pin SIMM*	$445
8 x 32	*32MB 72 pin SIMM*	$890

EDO

1 x 32	*4MB 72 pin SIMM*	$Call
2 x 32	*8MB 72 pin SIMM*	$Call
4 x 32	*16MB 72 pin SIMM*	$Call

UPS

American Power Conversion

Professional SurgeArrest	$30
SmartUPS V/S 420	$Call
SmartUPS V/S 650	$Call
SmartUPS 400	$299
SmartUPS 900	$514

Keyboard

Honywell 101-key	$29
Focus 101-key	$29
Microsoft Natural Keyboard	$89

Floppy

NEC 1.44MB	$32
Teac 1.44MB	$32

Mouse

MS Mouse	$29
Logitec MouseMan II	$29

Call for Latest Pricing

Prices Subject to Change without Notice
All Prices are Cash Discounted
We are Not Responsible for any Typographical Errors

CALL (818) 548-2525

FAX (818) 548-7980
Mon-Fri 9am-7pm - Sat 10am-4pm

COMPUTER
NETWORK &
COMUNICATION
512 E Wilson Avenue, Suite 310
Glendale, CA 91206

Online Guide

Web Page Listings *continued...*

Bill's House of Financial Independence
http://www.vpm.com/self-help Providing business opportunities for the beginner and seasoned pro. For as little as $20. [Exp. #142.]

Binary Services Solutions
http://www.kaiwan.com/~npham Provider of Internet home page publishing, FoxPro, and C++ business applications. Free initial consultation. [Exp. #142.]

Black Data Processing Associates
http://www-leland.stanford.edu/group/bgsa/bdpa/bdpa.html National network of DP professionals, educators, students, and vendor reps. [Exp. #140.]

BookNet
http://www.armory.com/~timeline/SCbooks.html Santa Cruz County bookstore catalog. [Exp. #140.]

Brazilian Mail
http://www.BrazilianMail.com/Brazil The first Brazilian commercial site, art gallery, business center, newsstand, travel agency, and more. [Exp. #144.]

Buzznet Magazine
http://www.hooked.net/buzznet An SF-based online cultural Web magazine capturing colorful, fresh images, words, and sounds constantly. [Exp. #141.]

California Association of Residential Care Homes
http://www.hooked.net/users/rallap/index.html Nonprofit association of care providers, current list of vacancies in Santa Clara County, referrals. [Exp. #143.]

California Computer Expo '95
http://www.qualcomm.com/users/gnash/cce.html Largest consumer computer show on West Coast. August 17–20, San Diego Convention Center. 1-800-573-3247. [Exp. #143.]

Career Taxi
http://www.iquest.net/Career_Taxi/taxi.html A forum for the hottest companies to present their home pages and their employment opportunities. [Exp. #139.]

CDworld: Largest Internet Discount Music Store
http://cdworld.com Discount music store with over 100,000 major and independent label music CDs and videos. Ship worldwide. [Exp. #141.]

Ceolas Celtic Music Archive
http://celtic.stanford.edu/ceolas.html Home of Celtic music on the Net, including tunes, artist profiles, sound samples, resources, etc. [Exp. #143.]

CGC Polar Sea
http://www.compumedia.com/~jef Extensive graphics covering last summer's expedition to North Pole and latest Deep Freeze to Antarctica. [Exp. #141.]

Charlotte's Web—Government Reform Resources
http://www.wmf.net/~cr Links to government and citizen activist groups; ftp-able grassroots essays, articles; National Debt updates. [Exp. #144.]

The Classic Rock All Stars
http://www.webcom.com/~gsmmedia/crastars Members from Iron Butterfly, Rare Earth, Sugarloaf, and Spencer Davis Group present their Summer '95 Tour. [Exp. #144.]

Clocks & Time
http://glen-ellyn.iit.edu/~clocks/clocks/clocks.html Over 200 pages: clock, watch collecting, repair, sundials, time standards: organizations, museums, publications, and software. [Exp. #140.]

Compuforms Co.
http://www.cpfc.com/compuforms Electronic forms, continuous forms, labels, checks, and downloadable artwork. [Exp. #144.]

The (Consumer or Business Product and Service) Idea Factory
ftp://ftp.crl.com/users/ro/csharrow/ideas.html Bold ideas about marketing, new products or services, product improvements, clever distribution, hot promotions. [Exp. #140.]

Cool Web Page
http://www.hia.com/hia/pcr/ For thought-provoking content. [Exp. #144.]

Copyright Clearance Center
http://www.directory.net/copyright Offers an automated process for obtaining and paying for reprint rights. [Exp. #143.]

County of Orange
http://www.oc.ca.gov Information on the Orange County board of supervisors, meetings, and press releases. [Exp. #142.]

Credi-Call
http://branch.com:1080/cc/cc.htm Use your credit card as discount calling card. Up to 90% savings on long distance. [Exp. #143.]

Cryptography, PGP, and Your Privacy
http://draco.centerline.com:8080/~franl/crypto.html Links to many of the Web's resources on cryptography, PGP documentation, privacy-related Web links. [Exp. #140.]

Crystal Rain Media Entertainment
http://www.earthlink.net/~crystal "Hip Hop Animal Rock," award winning aerobic video for children. Sound and video clips. [Exp. #144.]

CyberLaw
http://www.portal.com/~cyberlaw/ Educational service on computer law for computer users published monthly, including CyberLaw and CyberLex archive. [Exp. #141.]

CyberNautix, Inc.
http://www.community.net/~nautix/ UNIX and Internet technical services firm. System management, training, and custom services described. [Exp. #143.]

Cyno Technologies
http://www.cyno.com/cyno/ Cyno Technologies, Inc. provides computer user authentication systems, including solutions for enhanced remote access security. [Exp. #142.]

DCI
http://www.DCIexpo.com Get the latest information on high-tech conferences and expositions like Web World, EMail World, and more. [Exp. #140.]

Democratic Party Home Page
http://www.webcom.com/~digitals A place to find information on Democratic officials, organizations, and candidates. [Exp. #141.]

Digital Freedom Network
http://www.iia.org/dfn/ Circumventing censorship of published material by posting the works on the Internet. [Exp. #143.]

Easy Resume
http://www.dnai.com/~lji Free resume outline and sample resume for software developers. [Exp. #140.]

eCenter
http://www.ecenter.com Putting businesses on the WWW in Virtual Trade Shows, general categories, email paging, business information. [Exp. #141.]

EDGE Home Page
http://www.well.com/www/edgehome Home page of EDGE, leading interactive entertainment publisher of *EDGE* magazine and EDGE games. [Exp. #141.]

The electronic Gourmet Guide
http://www.deltanet.com/2way/egg The eGG is the Internet's first full-color food magazine featuring interviews, articles, recipes, columns, news, and links. [Exp. #143.]

The Electronic Telegraph
http://www.telegraph.co.uk Britain's first and best online daily news source—a crossword, too. [Exp. #140.]

Employment Today
http://204.188.129.2/netbiz/employ.html High-paying permanent and temporary jobs available now, plus agency listings. [Exp. #142.]

Endeavour Travel
http://www.anzac.com/endnb/endvr.html Information and discount travel packages to Australia and New Zealand. [Exp. #142.]

Enterzone
http://enterzone.berkeley.edu/enterzone.html Noncorporate, professional Web zine. Enterzone is a hyperzine of writing, art, and new media. [Exp. #140.]

Enzian Theater
http://magicnet.net/enzian/ Home page of Enzian Theater, film center for Central Florida: special event info, film-related links. [Exp. #141.]

FaxBox Network
http://voyager.via.net/netbiz/faxbox.html How to have your own fax-on-demand box and make money. [Exp. #142.]

Film Analyst On-Line
http://www.kaiwan.com/~stussy/taussig/film01.html A thoughtful analysis of popular and classical movies and the impact on popular culture. [Exp. #142.]

FLASHERS
http://www.armory.com/~grape/ Daily comics by Elliot Feldman. Bring your own trenchcoat. [Exp. #142.]

Flash Sheridan's Newton Software
http://www.rahul.net/flasheridn/ Newton Register allows users to pay for shareware via email. Disabler is a startup manager. [Exp. #139.]

Focus on Africa
http://login.eunet.no/~presno/sample4.html Connectivity issues, sources of information about Africa for various applications (news, Web, and gopher servers). [Exp. #139.]

Fountainhead Internet Systems WWW Site
http://www.earthlink.net/~fountainhead Designers of World Wide Web sites. Host of the LA Superstation. LA Advertising. [Exp. #141.]

Four Leaf Clover
http://204.188.129.2/netbiz/fourleaf.html How to play the Canadian lottery and make money every month. [Exp. #142.]

Furnituremaker and Design
http://www.channel1.com/users/postma Steve Posta Furnituremaker and Design specializing in custom veneer and curved furniture. [Exp. #144.]

Galaxy Entertainment Network
http://www.power.net/galaxy Providing entertainment information, showcasing worldwide talent, business opportunities, programming, and weekly Internet funnies. [Exp. #142.]

The Gigaplex
http://www.gigaplex.com/wow A whopping arts & entertainment web-magazine featuring film, TV, music, theater, books, and celebrity interviews. [Exp. #144.]

Girvies Davis Home Page
http://www.mcs.net/~bkmurph/girvies.htm Home page of Girvies Davis, Illinois death row inmate. Clemency petition, articles, "evidence," pictures, audio, more. [Exp. #142.]

Global Campus
http://www.csulb.edu/gc/ Distributed database containing new media for use in enhancing learning and teaching. For educational use. [Exp. #140.]

Global Communications Group
http://www.globalcom.com/global Internet consulting, training, seminars, Web page production. Ten years Internet R&D experience. [Exp. #140.]

Global Futures Foundation
http://www.quiknet.com/globalff/globalfu.html Environmental Web site for businesses, with publications and Future 500 CEO resource efficiency roundtable. [Exp. #142.]

Golden Retrievers in Cyberspace
http://www.rahul.net/hredlus/golden.html Information on Golden Retrievers: how to find breeders, rescue groups, GRCA, and more. [Exp. #144.]

GolfWeb
http://www.golfweb.com Complete source for everything related to golf on the WWW: results, statistics, live reporting, course information, more. [Exp. #141.]

Graffiti Wall
http://www.lh.com/cgi-bin/wall Hot tips and interesting places on the Web. Check it out or share some of the places you have found. [Exp. #140.]

Grant Tracker Home Page
http://www.rahul.net/kendric Software that keeps researchers from overspending their research grants. Download demos: DOS, Win, Mac. [Exp. #141.]

CRO DATANET • MICRO DATANET • MICRO DATANET • MICRO DATANET

MICRO DATANET

WE WILL TRY TO BEAT ANY ADVERTISED PRICE + QUALITY + SERVICE = CUSTOMER SATISFACTION!

BETTER BUSINESS BUREAU MEMBER Pledged To Arbitrate

SPECIAL
1.2GB IDE
$249

SPECIAL
850MB IDE
$195

INTEL TRITON CHIPSET M/B 256K, SUPPORTS P5/75/90/100/120MHZ
$189

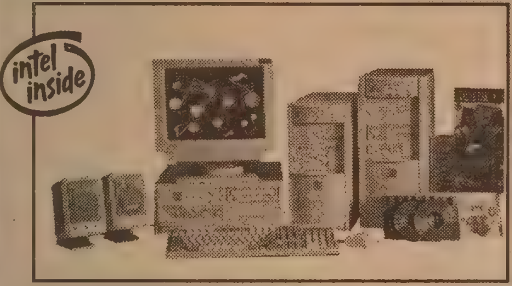
SPECIAL
* SONY CDU-55E IDE CD ROM DRIVE w/S/B 16BIT MCD **$165**
* TOSHIBA QUAD SPEED CD ROM w/S/B 16BIT MCD **$249**

INTEL TRITON CHIPSET MOTHERBOARD W/256K, ENHANCED PCI CONTROLLER, 4 PCI W/P5/120MHZ CPU
$899

INTEL TRITON CHIPSET MOTHERBOARD W/256K, ENHANCED PCI CONTROLLER, 4 PCI W/P5/100MHZ CPU
$539

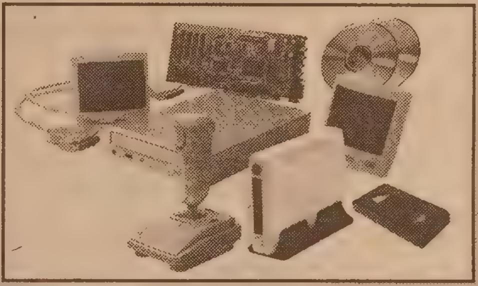
INTEL TRITON CHIPSET MOTHERBOARD w/256K, ENHANCED PCI CONTROLLER, 4 PCI W/P5/90MHZ CPU
$489

SPECIAL
486DX4/100MHZ CPU W/MOTHERBOARD VLB, SIS 256K
$195



SPECIAL MEMORY UPGRADE!

1MB	SIMMS	30 PIN	$34.99
4MB	SIMMS	30 PIN	$129
4MB	SIMMS	72 PIN	$129
8MB	SIMMS	72 PIN	$255
16MB	SIMMS	72 PIN	$459



CUSTOM CONFIGURED SYSTEMS • NOBODY BEATS MICRO DATANET's SYSTEM PRICES & QUALITY

FREE MOUSE W/PURCHASE OF $500!

AUGUST SPECIAL

- 4MB RAM BRAND NAME
- 420MB IDE HARD DRIVE
- 1MB VESA LOCAL BUS
- VL BUS 32BIT CONTROLLER
- TEAC 1.44 FLOPPY DRIVE
- SOFT TOUCH 101 KEYBOARD
- DELUXE MINI TOWER CASE w/LED-300W
- MICROSOFT COMPATIBLE MOUSE
- MONITOR NOT INCLUDED

DX2/66MHz SYSTEM	$625
DX2/80MHz SYSTEM	$659
DX4/100MHz SYSTEM	$699

MD SYSTEM SPECIAL!

PENTIUM TRITON INTEL CHIPSET
- 3 PCI SLOTS, 256K UPGRADE TO 512K
- 14" N.I., .28DPI
- 8MB RAM BRAND NAME
- 540MB IDE HARD DRIVE
- DIAMOND STEALTH-SE 1MB PCI
- ENHANCED PCI IDE I/O CONTROLLER
- TEAC 1.44 FLOPPY DRIVE
- DELUXE MID TOWER CASE w/LED-230W
- MARVEL 101 KEYBOARD
- MICROSOFT COMPATIBLE MOUSE

intel inside

P5/100MHz........$1339

MD SYSTEM SPECIAL!

PENTIUM TRITON INTEL CHIPSET
- 3 PCI SLOTS, 256K UPGRADE TO 512K
- 14" N.I., .28DPI
- 8MB RAM BRAND NAME
- 540MB IDE HARD DRIVE
- DIAMOND STEALTH-SE 1MB PCI
- ENHANCED PCI IDE I/O CONTROLLER
- TEAC 1.44 FLOPPY DRIVE
- DELUXE MID TOWER CASE w/LED-230W
- MARVEL 101 KEYBOARD
- MICROSOFT COMPATIBLE MOUSE

intel inside

P5/90MHz......$1299

MONITORS

14" N/I, L/R, .28DPI SHAMROCK	$209
15" FLAT SCREEN, N/I, L/R DIGITAL .28DPI, SHAMROCK	293
17" FLAT SCREEN, N/I, L/R .26DPI EDISON	525
MAG	
DX-15F 15" .28DPI N/I, 1280X1024 MPR-II GREEN	335
DX-17F 17" .26DPI N/I, 1280X1024 MPR-II GREEN	635
MX-21F 21" .28DPI N/I, 1600X1280 MPR-II GREEN	1615
VIEWSONIC	
V15EX 15" .28DPI N/I, 1024X768 DIGITAL MPR-II GREEN	365
V17E 17" .28DPI N/I, 1280X1024 MAC MPR-II GREEN	699
NEC, SONY	PLEASE CALL

MODEM

14.4 FAX/MODEM INTERNAL	$49
14.4 FAX/MODEM EXTERNAL	65
28.8 FAX/MODEM INTERNAL	125
US ROBOTICS 28.8 FAX/MODEM INTERNAL	195
US ROBOTICS 28.8 FAX/MODEM EXTERNAL	219

ACCESSORIES CLEARANCE

KEYBOARD 101 SOFTTOUCH	$13.95
KEYBOARD FOCUS 6000	28
FLOPPY DRIVE 1.44	29
FLOPPY DRIVE 1.2	40
MICROSOFT COMPATIBLE MOUSE	4.95
8WATTS, AMPLIFIED STEREO SPEAKER	25
120WATTS, AMPLIFIED STEREO SPEAKER	59

PRICES SUBJECT TO CHANGE W/OUT NOTICE. NOT RESPONSIBLE FOR TYPOGRAPHICAL ERRORS. ALL PRICES REFLECT 3% CASH DISCOUNT. ALL SYSTEMS COME W/A ONE YEAR PARTS AND LABOR WARRANTY. ALL PRODUCT NAMES ARE TRADEMARKS OF THEIR RESPECTIVE OWNERS AND COMPANIES.

HARD DRIVES & TAPE DRIVES

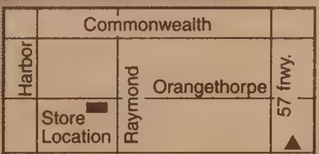
420MB IDE	$139
540MB IDE	163
850MB IDE	215
WD 1.2GB IDE	318
CONNER 1.2GB IDE	259
MAXTOR 1.2GB IDE	269

CPU

INTEL DX4/100MHz	$160
INTEL DX2/66MHz	114
PENTIUM P5/100MHz	CALL
PENTIUM P5/90MHz	305
PENTIUM P5/75MHz	244
AMD DX4/100MHz	119
AMD DX2/80MHz	105
AMD DX2/66MHz	99

FOR BEST BUY:

JUST CALL OUR SALES DEPARTMENT!



VIDEO/CONTROLLER CARDS

DIAMOND STEALTH-SE 2MB PCI DRAM	$162
DIAMOND STEALTH-SE 1MB PCI	99
ENHANCED PCI IDE CONTROLLER	27
Q-LOGIC SCSI-II VLB	195
DIAMOND STEALTH 64BIT PCI w/2MB VRAM	274
SVGA VESA S3-805 w/1MB, UPGRADE TO 2MB	76
TRIDENT 9400 32BIT, 1MB, UPGRADE TO 2MB	67
TRIDENT 9440 32BIT, 1MB, UPGRADE TO 2MB	69
TRIDENT 8900D 1MB CARD ISA	57
SUPER I/O IDE (2S,1P,1G) GOLDSTAR	14
ENHANCED VLB CONTROLLER	19
ADAPTEC 1542CF SCSI II	189

CASES w/DIGITAL DISPLAY

DELUXE MINI TOWER w/230W P.S.	$35
DELUXE MID TOWER w/230W P.S.	55
DELUXE FULL TOWER w/250W P.S.	65

MOTHERBOARDS

INTEL TRITON CHIPSET M/B SUPPORTS 75/90/100/120MHz	$225
PCI - MB INTEL NEPTUNE CHIPSET P5/90MHz, 3 PCI, 256K, ZIF	215
PCI - MB SIS 60/66MHz, 3 PCI, 256K, ZIF	139
486DX-33/50/66/4-100MHz, SIS VLB, 256K, ZIF	87
IBM 486SLC2/66MHz VLB W/MATH CO	129
PCI - MB 90MHz M/B (SIS CHIPSET) PCI/VLB/ISA SLOTS	174

Hours: Mon. to Fri. 9am-6pm   Sat. 10am-3pm

TEL: 714/447-8710
FAX: 714/447-8711

920 E. Orangethorpe Ave., Suite F, Anaheim, CA 92801

O DATANET • WE BUILD HIGH QUALITY SYSTEMS • TO ORDER CALL 714/447-8710

MAXTOR • SEAGATE • WESTERN DIGITAL • CONNER • MITSUMI • TEAC • SHAMROCK • MAG • VIEWSONIC • SAMSUNG

FREE SIGN-UP

Free Software / Free Time

Why pay more to cruise the World Wide Web?

NETVOYAGE™

Only $9.95*/$19.50**

NETVOYAGE provides:

- FREE & EASY Telephone Sign-up
- Free Super Mosaic Software
- Full Access Slip/PPP account $19.50 (includes 50 free prime time hours)
- High-speed 28.8 access/E-Mail
- Local access to (213) (310) (818) (714)

Subscribe Today!

(800)435-8808 or

(310) 253-5353

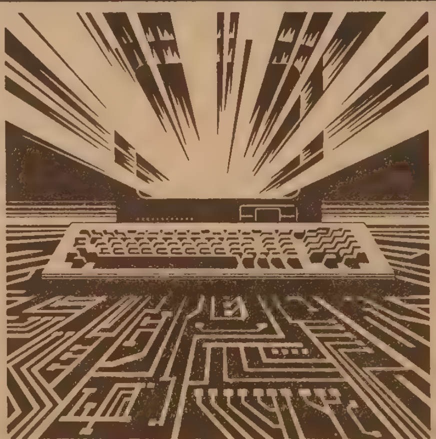
Internet Sciences Corporation

The full service Internet Provider

(*$9.95 for shell account service only. **$19.50 for Slip/PPP account.)

FIND IT HERE, YOUR COMPUTER INFORMATION SOURCE...

MICROTIMES



Online Guide

Web Page Listings *continued...*

GREENBELT ALLIANCE
http://www.greenbelt.org/gba Everything about the Bay Area's greenbelt of open space: maps, outings, issues, factsheets. Fight urban sprawl! [Exp. #143.]

GREENPEACE CLIMATE HOMEPAGE
http://www.greenpeace.org/ Berlin Climate Summit info, FAQ on climate change, links to other climate info on the Net, more. [Exp. #141.]

HARMONY CENTRAL MUSIC PAGES
http://harmony-central.mit.edu/ Resources and links for the musician, including guitar, bass, effects, MIDI, keyboards, software, and more. [Exp. #142.]

HAWAII MADE EASY!
http://www.aloha.com/~optunehi Learn about one of the healthiest states and one of the safest. Many businesses and jobs. [Exp. #139.]

HISTORY COMPUTERIZATION PROJECT
http://www.history.la.ca.us/history This Project includes: request forms for a free History Database tutorial, photos on display, and directories of historical resources. [Exp. #144.]

THE HOME OWNER'S PAGE
http://www.weblink.com/homeowners/ A directory of contractors, plumbers, electricians, gardeners, and other professionals offering services to home owners. [Exp. #144.]

HOMEPAGE.HTML
http://www.hooked.net:80/users/tpitre/homepage.html Personal page for Pitre and MSRI, Inc. [Exp. #141.]

HOME PAGES, INC.
http://www.homepages.com/ A full-service WWW authoring firm and creators of the World Wide Yellow Pages at http://www.yellow.com/ . [Exp. #140.]

HOMES & OPEN HOUSES
http://openhouses.com Your comprehensive source for real estate information on the Internet. [Exp. #140.]

HOOKED
http://www.hooked.net Hooked is an Internet service provider using the amazing Internaut software. [Exp. #139.]

HOTEL CALIFORNIA
http://kincyb.com/ Check into the friendliest hotel in the West. Full of Internet games, 24 hrs. chat, and adult files. [Exp. #144.]

HTML TO ICADD/BRAILLE
http://www.ucla.edu/ICADD/html2icadd-form.html This form allows valid HTML to be transformed to ICADD and/or Braille for print-impaired users. [Exp. #142.]

HYNET TECHNOLOGIES
http://www.hynet.com Providing unique systems that seamlessly integrate hypertext, smart search engines (HYNET), and databases for CD-ROM and Internet publishing. [Exp. #144.]

HYPNOTHERAPY BY ROSA KITCHEN
http://www.he.tdl.com/~kitchen Calm, calmer, calmest. Develop a solid, unshakable personal power. Heal from within through hypnosis. [Exp. #143.]

I-COMM: WEB SURFING WITHOUT SLIP/PPP
http://www.best.com/~icomm/icomm.htm I-Comm is a full-featured graphical WWW browser which doesn't need SLIP/PPP connections. [Exp. #141.]

IMAGO DEI
http://www.art.net/Studios/Visual/Jaxun/homepage.html An all-digital incarnation of one computer support tech's emerging Muse... [Exp. #141.]

IMMIGRATION AND VISAS
http://www.schulzlaw.com/~mschulz Law offices of C. Matthew Schulz. Information on US visas and employment-based immigration. [Exp. #144.]

IMPACT ONLINE
http://www.webcom.com/~iol/ Impact Interactive access to nonprofit organizations, topical issues, and information on a range of social issues. [Exp. #144.]

INDEX.HTML
http://www.manual3.com. manual3 Manual 3, Inc. is a 13-year-old technical writ-

AuroraVision

15" Green Monitor

A Breathtaking View!

- User Friendly, Front Panel Controls
  - -Digital/ Analog
- Full Screen Display
- EPA Energy Star* and DPMS
- Non- Interlaced Flicker Free
- Low Radiation (MPR II Standard)

• Resolution	1024x768
• Dot Pitch	0.28mm
• Horizontal Freq. (KHz)	31-62KHz
• Vertical Freq.(Hz)	50-90Hz

High Resolution
Ultra VGA Color Monitor

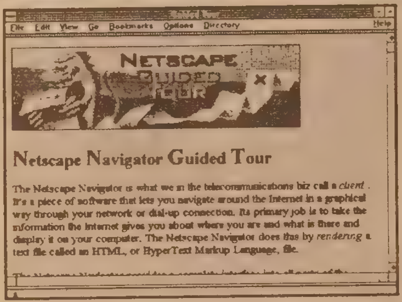
FTZ

EZC

521 S. State College Blvd.
Fullerton, Ca. 92631
Tel:(714) 447 - 3955
Fax:(714) 447 - 3945
HEADQUARTERS

INTERNET

LA Internet puts you on the World Wide Web



Netscape Navigator Guided Tour

The Netscape Navigator is what we in the telecommunications biz call a *client*. It's a piece of software that lets you navigate around the Internet in a graphical way through your network or dial-up connection. Its primary job is to take the information the Internet gives you about where you are and what is there and display it on your computer. The Netscape Navigator does this by *rendering* a text file called an HTML, or HyperText Markup Language, file.

Personal Accounts

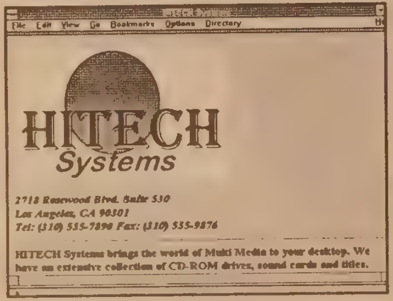
$21.90

for over 550 hrs non-prime time, 20 hrs. prime time. Prime time = 5PM - 10PM weekdays

FREE NO OBLIGATION 7-DAY TRIAL OFFER

Full SLIP/PPP access!!
Call our dial-up number for details.

Our easy-to-install and preconfigured SLIP/PPP software for Windows lets you use Mosaic, Netscape, FTP, Gopher, Archie, E-mail, and many other utilities with just a mouse click. Just use your modem to call our dial-up number, set up an account, and we'll send you 3.5-inch installation diskettes. You can complete the installation and start cruising the Internet within minutes! Free Web Page space (up to 200K) is included. Create your own personal Web Pages with tools we provide and update them as often as you like!



2718 Rosewood Blvd. Suite 530
Los Angeles, CA 90301
Tel: (310) 555-7890 Fax: (310) 555-9876

HITECH Systems brings the world of Multi Media to your desktop. We have an extensive collection of CD-ROM drives, sound cards and titles.

Small Business Accounts

$48.90

per month, unlimited use

FREE WEB PAGES UP TO 5 MB
FREE WEB STARTER KIT
FREE DOMAIN NAME REGISTRATION
UNLIMITED USE

Our Small Business plan provides you with all the features of a regular SLIP/PPP account plus your own domain name for E-mail and Web addresses, up to 5MB of Web Page space, and unlimited use! Use your Web Pages to advertise your products. Update your Web Pages as often as you like!

Now includes our FREE Web Starter Kit, with preconfigured Web Pages and Tools to help you design and start your Web presence immediately!!

LA Internet specializes in easy-to-use SLIP/PPP connections to the Internet and in Business Web services. Call our dial-up number and log in as guest for more information or to join LA Internet. *All 28.8 Kbps modems.*

We now support OS/2 Warp, Internet Starter Kit for Macintosh, and any generic SLIP/PPP software! The cost is the same as for Windows. Full configuration information will be provided upon signup.

Dial-up: *(310) 442-4655* *login: guest password: guest*

Voice: *(310) 442-4670*
E-mail: *info@lainet.com*
WWW: *http://www.lainet.com*

LA Internet
11901 Santa Monica Blvd. Suite 527 Los Angeles, CA 90025

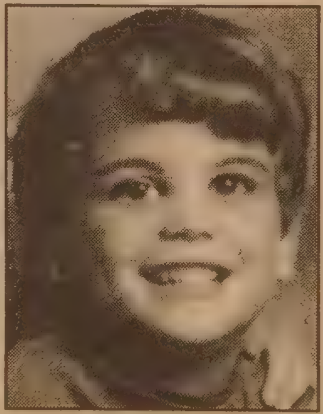
Vanished Children's Alliance
Dedicated to the Prevention and Recovery of Missing Children
National Headquarters
(408) 296-1113 • Fax (408) 296-1117
2095 Park Avenue • San Jose, CA 95126
P.O. Box 909 • Los Gatos, CA 95031-0909
For Sightings, Please Call
1-800-VANISHED

Vanished Children's Alliance
OUR CHILDREN, OUR FUTURE

Joseph Henry Romero

Brown Hair, Blue Eyes

Date of Birth: 5/14/88
Date Missing: 10/26/94
Missing From: Merced, CA
Missing Type: Family Abduction by Mother



Web Page Listings *continued...*

ing firm serving the technology industry. [Exp. #140.]

IndustryNET
http://www.industry.net Keeping in touch with the computer industry. Product and service information including local suppliers. [Exp. #140.]

Infolink Information Center
http://www.infolink.net/ Fastest-growing Internet service provider in Hong Kong. See how to get connected in Hong Kong. [Exp. #139.]

INFOWERKS
http://www.best.com/infowerk/ Cool students/Web consultants page, artistic, interesting connections. [Exp. #139.]

The Institute for Global Communications Progressive Directory
http://www.igc.apc.org [Exp. #142.]

Institute of Heartmath
http://www.webcom.com/~hrtmath/IHM/AboutHM.html Research-based training for developing enhanced intuitive intelligence to successfully manage mental and emotional choices. [Exp. #144.]

Intelligent Media
http://smartworld.com/int-media Full-service interactive multimedia production company, service bureau. [Exp. #141.]

The Interactivist
http://199.172.178.200 A place that facilitates Internet social education and activism. Also the home of Free Burma. [Exp. #141.]

Interactivist/Go Digital Online
http://www.godigital.com *Go Digital Interactive Magazine*'s home page: preview of CD-ROM, additional materials, subscribe, send stuff for inclusion, etc. [Exp. #141.]

InterBIZnet
http://www.ibiznet.com/ We provide businesses in Southern California with Web design, hosting online marketing, and Internet expertise. [Exp. #143.]

Internal Revenue Service
http://www.ustreas.gov/treasury/bureaus/irs/irs.html Provides tax forms, answers to frequently asked questions, where to get more help, and where to file. [Exp. #139.]

International Food Information Council
http://ificinfo.health.org or *gopher://ificinfo.health.org* The International Food Information Council (IFIC) Foundation offers up-to-date facts on food safety and nutrition. [Exp. #144.]

The International Home Exchange Network
http://www.magicnet.net/homexchange Listings of home exchange opportunities, local cost vacation rentals, bed & breakfasts, "mom and pop" hotels, and more. [Exp. #143.]

International Netsuke Kenkyukai Society
http://www.hooked.net:80/users/yukiyama/ Information on Netsuke Kenkyukai Society and collecting netsuke (Japanese antique toggles). [Exp. #141.]

International Paperweight Society
http://www.armory.com/~larry/ips.html A nonprofit organization dedicated to furthering the awareness of fine glass paperweights. A mecca of information. [Exp. #142.]

Internet Health Resources
http://www.ihr.com Extensive and practical health resource information for Internet users. [Exp. #142.]

Internet Literacy Consultants
http://www.matisse.net We help people understand and use the Internet and related technologies to accomplish their goals, via seminars and consulting. [Exp. #139.]

The Internet MainStreet
http://www.mainstreet.net ISDN and leased line Internet provider for Silicon Valley. Cool eclipse photo. [Exp. #140.]

Internet Presence Providers
http://www.internex.net/ipp Providing businesses with complete Web site design. Focusing on real estate,

Classic

COMPUTERS INC.

(818) 237– 2020

WE WILL BEAT ANY ADVERTISED PRICE!

90 DAYS SAME AS CASH FINANCING AVAILABLE, O.A.C.

Financing Available · MasterCard · DISCOVER · VISA

San Gabriel
6913-B Rosemead Blvd.
San Gabriel CA 91775
(818) 237-2020
Fax (818) 451-0543

Store Hours: Mon.— Fri. 9:30A.M.— 6:30P.M.
Sat. 11:00A.M.— 4:00P.M.

WE CARRY PACKARD BELL • TOSHIBA • COMPAQ • IBM • AST • & OTHER MAJOR BRANDS. PLEASE CALL FOR DETAILS.

SPECIALS

LIMIT ONE PER CUSTOMER.

PACKARD BELL SYSTEMS

75 MHz Pentium System	60 MHz Pentium System	66 MHz 486DX2-66
8 MB RAM	8 MB RAM	4 MB RAM
810 MB HDD	540 MB HDD	420 MB HDD
16 bit Sound Card	16 bit Sound Card	16 bit Sound Card
2X CD ROM	2X CD ROM	2X CD ROM
14.4 FAX/MODEM	14.4 FAX/MODEM	MODEM
1.44 FDD	1.44 FDD	1.44 FDD
Speakers	Speakers	Speakers
101 Keyboard	101 Keyboard	101 Keyboard
Mouse	Mouse	Mouse
14" SVGA Monitor	14" SVGA Monitor	14" SVGA Monitor
$1,299.00	$999.00	$779.00

EACH OF THESE SYSTEMS COMES WITH OVER $1200 WORTH OF SOFTWARE FREE!

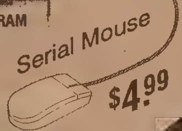
1.2 GB IDE Hard Drive $229.99

540 MB IDE Hard Drive $149.99

850 MB IDE Hard Drive $179.99

SVGA $185.00 14" NI .28

DIAMOND Stealth $159.00 VLB/PCI w/2MB DRAM


Serial Mouse $4.99

101 Keyboard $9.99

3½" 1.44 FDD $23.99

Intel Triton Chipset MOTHER BOARD
Supports 75/90/100/120 MHz CPU
Built-in enhanced PCI IDE, high speed I/O,
256k Cache (exp. to 512k),
& Flash BIOS
$179.00

Pentium System 120 MHz

- 256 k Cache
- 8 MB RAM 70ns
- 540 MB Enhanced IDE HDD
- Enhanced PCI Controller Card
- 2S,1P, 1G Port
- PCI SVGA Card 1Meg
- 1.44 Floppy Drive
- 101 Keyboard Enhanced
- Hi Resolution mouse
- Midtower case w/ 230 Watt P/S
- 14" SVGA monitor N.I. 0.28 dp

Optional Multimedia*

$1699.00

Pentium System 100 MHz

- 256 k Cache
- 8 MB RAM 70ns
- 540 MB Enhanced IDE HDD
- Enhanced PCI Controller Card
- 2S,1P, 1G Port
- PCI SVGA Card 1Meg
- 1.44 Floppy Drive
- 101 Keyboard Enhanced
- Hi Resolution mouse
- Midtower case w/ 230 Watt P/S
- 14" SVGA monitor N.I. 0.28 dp

Optional Multimedia*

$1199.00

Pentium System 90 MHz

- 256 k Cache
- 8 MB RAM 70ns
- 540 MB Enhanced IDE HDD
- Enhanced PCI Controller Card
- 2S,1P, 1G Port
- PCI SVGA Card 1Meg
- 1.44 Floppy Drive
- 101 Keyboard Enhanced
- Hi Resolution mouse
- Midtower case w/ 230 Watt P/S
- 14" SVGA monitor N.I. 0.28 dp

Optional Multimedia*

$1159.00

Pentium System 75 MHz

- 256 k Cache
- 8 MB RAM 70ns
- 540 MB Enhanced IDE HDD
- Enhanced PCI Controller Card
- 2S,1P, 1G Port
- PCI SVGA Card 1Meg
- 1.44 Floppy Drive
- 101 Keyboard Enhanced
- Hi Resolution mouse
- Midtower case w/ 230 Watt P/S
- 14" SVGA monitor N.I. 0.28 dp

Optional Multimedia*

$1099.00

HARD DRIVES

540MB Ehanced IDE	$149.99
850 MB IDE	$179.99
1.2 GB IDE	$229.99

ACCESSORIES

MiniTower case w/ps	$35.00
MidTower case w/ps	$55.00
FullTower case w/ps	$69.00
Desktop case w/ps	$45.00
1.2MB FD 5 ¼"	$35.99
1.44MB FD 3 ½"	$23.99
14.4 FAX/MODEM	$39.99
14.4 FAX/MODEM w/Voice	$49.99
Keyboard 101	$9.99
Mouse Serial	$4.99

486DX4-100 $759.00

486DX4-100 VESA	DIGITAL Mini Tower
w/256k Cache	101 Keyboard
4MB Ram 70 n/s	1.44MB FDD
540 MB Enhanced IDE HD	14" NI SVGA Monitor .28
VLB Graphics Card w/1MB	Mouse
VLB IDE CARD	Optional Multimedia*

486DX2-66 VLB $729.00

486DX2-66 VESA	DIGITAL Mini Tower
w/256k Cache	101 Keyboard
4MB Ram 70 n/s	1.44MB FDD
420 MB IDE HD	14" NI SVGA Monitor .28
VLB Graphics Card w/1MB	Mouse
VLB IDE CARD	Optional Multimedia*

VIDEO CARDS

Diamond Stealth 64VLB 2MB DRAM	$159
Diamond Stealth 64VLB 2MB VRAM	$259
Diamond Stealth 64 PCI 2MB DRAM	$159
Diamond Stealth 64 PCI 2MB VRAM	$259
1MB Trident VLB	$59.99
1MB Trident ISA	$55.99

MEMORY

1 MEG SIMMS 30 Pin	$32.99
4 MEG SIMMS 30 Pin	$119.00
4 MEG 72 Pin	$125.00
8 MEG 72 Pin	$249.00
16 MEG 72 Pin	$459.00

MOTHERBOARDS WITH CPU

486SLC-33	$49.99
486DLC-40 w/Math Co	$89.00
IBM 486SLC2-66 VLB w/Math Co	$149.00
486DX2-66 VLB 256k Cache Intel Overdrive ready	$189.00
AMD 486DX4-100	$189.00
Intel 486DX4-100	$259.00
Pentium 75 PCI 256k Cache	$369.00
Pentium 90 PCI 256k Cache	$459.00
Pentium 100 PCI 256k Cache	$489.00
Pentium 120 PCI 256k Cache	$899.00

TAPE BACKUP

Colorado 250 (internal)	$129.00
Conner 250 w/tape	$129.00
Conner 420 w/tape	$149.00
Conner 850 w/tape	$189.00
Tape cartridge 2120	$12.00

CD ROM DRIVES

CD Rom Panasonic 562 300ms dbl speed	$89.00
Teac 4X	$159.00
Toshiba Quad Speed IDE	$149.00
Mitsumi Quad Speed	$149.00
Toshiba Quad Speed SCSI	$279.00

MULTI MEDIA UPGRADE KITS

Multimedia Kit

- SONY Double Speed CD ROM
- Sound Blaster 16 MCD
- Speakers/MS Encarta/MS Works/MS Money & more CD Titles $169.00

Multimedia Kit Quad Speed	$239.00
Creative Labs VIBRA 16	$69.00
SoundBlaster 16 MCD ASP	$159.00
SoundBlaster 16 SCSI-2	$115.00
SoundBlaster 16 SCSI-2 ASP	$179.00

* **We will gladly add multimedia to any system.**
w/ 2X CD KIT add $169.00
w/ 4X CD KIT add $249.00

All systems come with a one year parts and labor warranty. Prices are subject to change without notice.

All product names are trademarks of their respective companies.

Not responsible for typographical errors.

All prices reflect a 2% cash discount.

Sigma COMPUTER

ROCK SOLID Performance

Memory

1M x 3 70ns - 1M 30-pin	$37.00
4M x 3 70ns - 4M 30-pin	$128.00
1M x 32 70ns - 4M 72-pin	$140.00
2M x 32 70ns - 8M 72-pin	$283.00
4M x 32 70ns - 16M 72-pin	$493.00

** 72-Pin Parity Memory Available

Warranty 1 Year

Hard Drive

Seagate 420 IDE Hard Drive	$152.00
Seagate or Maxtor 540M Enhanced IDE	$169.00
Seagate or Maxtor 850M Enhanced IDE	$215.00
Seagate or Maxtor 1GB Enhanced IDE	$299.00
Maxtor 1.2GB Enhanced IDE	$325.00

Sound Blaster Sound Card

Sound Blaster 16 VIBRA EIDE	$69.00
Sound Blaster 16 MCD	$73.00
Sound Blaster AWE 32 Value	$225.00
Sound Blaster AWE 32	$275.00

Super VGA Card

VLB S3-805 with 1M DRAM	$69.00
PCI ATI Mach 64 with 2M DRAM	$190.00
PCI ATI Mach 64 with 2M VRAM	$269.00
PCI Diamond Stealth 64 with 2M Video DRAM	$205.00
PCI Diamond Stealth 64 with 2M Video VRAM	$289.00

Internal CD ROM

Sony or Panasonic 2X CD ROM	$107.00
Toshiba 4X Enhanced IDE CD ROM	$195.00
NEC 4X Fast SCSI-2 CD ROM	$295.00

Super VGA Monitors

Impression 14" NI .28 - 2Yrs Warr.	$215.00
Magnovox 15" NI .28 - 2Yrs Warr.	$285.00
Mag 15" NI .28 - DX15F - 3 yrs Warr.	$355.00
Mag 17" NI .26 - DX17F - 3 yrs Warr.	$635.00

CPU

Intel Pentium 100MHz	$490.00
Intel Pentium 90MHz	$390.00
Intel Pentium 75MHz	$295.00
Intel 486DX4-100MHz	$220.00
Intel 486DX2- 66MHz	$125.00
AMD 486DX4-100MHz	$155.00
AMD 486DX2-80MHz	$115.00
Cyrix 486DX2-66MHz	$98.00

ASUS High-End PCI VLB 486DX4 Green Mother Board

Runs SX,DX,DX2, DX4, & P24T Pentium CPU
256K Write Back Cache -512K Max.
72-pin SIMM Sockets- Up to 128M Max.
2X High Speed Serial Ports (16550 Uart)
1X Parallel Port (EPP,ECP Port)
2X 32 Bit Local Bus IDE Ports-Mode 3(Up to 4 IDE Devices)
1X Floppy Port- Supports 2.88M Floppy Drive (Up to 2 Floppy Drives)
On-Board Flash Bios And NCR SCSI Bios......... **$144.00**

ASUS High-End PCI "Triton" Pentium Green Mother Board

Runs 75/90/100/120/133 MHz CPU
Intel Triton Chip Set
256K Write Back Cache (512K For Option)
Support Pipelined Burst SRAM
72-pin SIMM Sockets-Up to 128M - Support EDO DRAM
2X High Speed Serial Ports (16550 Uart)
1X High Speed Parallel Port (EPP,ECP Port)
1X Floppy Port - Support Up To (2) 2.88M Floppy Drives
2X PCI Bus Master EIDE Ports - Up To 4 IDE Devices
Award Pentium PCI Flash Bios
With Green And Plug And Play Features........ **$260.00**

◆ ◆ ◆

PCI LOCAL BUS

intel inside

CONNER

Quantum

Seagate

* All Brand Names Are Trademarks Of Their Respective Companies.

VISA

Terms & Conditions

- Financing available, 90 days same as cash, call for more details.
- Satisfaction guarantee 7-day full refund, call for more details.
- One year parts warranty for most items.
- Prices & product availability subject to change without notice.

"Please Call for the Latest Prices"

Sigma

OFFICE ELECTRONICS SUPERSTORE

18537 EAST GALE AVENUE, CITY OF INDUSTRY, CA 91748
TEL 818-854-2903 • FAX 818-854-2929
TEL 818-854-2901 Ext. 137

- Sigma Office Electronic Super Store, a division of Sigma Interstate since 1984.

art, investments, and online malls. [Exp. #140.]

INTERNET ROUNDTABLE SOCIETY
http://www.IRSociety.com Providers of business WWW services: home pages, promotion, etc. [Exp. #139.]

INTERNEX•TIARA
http://www.internex.net High-speed ISDN Internet access provider. Provides information about ISDN, access options, products, and services. [Exp. #140.]

INVISION CONSULTING
http://www.iconsulting.com/ Leading solution provider of Web page development, Internet connectivity, training, etc. We do it all! [Exp. #142.]

IRIS MEDIA SYSTEMS
ftp://ftp.netcom.com/pub/rl/rlai/www/home.html Home of Xantippe—The Information Structuring Workbench, a Windows hypertext/hypergraphics authoring environment for HTML files. [Exp. #141.]

ISDN*TEK
http://www.isdntek.com PC-based hardware for high-speed ISDN access. [Exp. #142.]

JAPAN SUMMER PROGRAM
http://www.kaiwan.com/~stussy/japan95/japan11.html Information about studying photography or the Japanese language in Japan during the summer of 1995. [Exp. #142.]

JEFF'S HOMEPAGE—THE QUAM
http://www.emf.net/~quam Jeff's Homepage and link to the Pirate Squid Club. Lots of useless nonsense. [Exp. #141.]

JES & ASSOCIATES, INC.
http://www.jes.com/jes Hands-on workshops covering PICK, Advanced PICK, Unidata, uniVerse, UNIX, Internet, and WWW. [Exp. #144.]

JOHN PERRY'S HOME PAGE
http://www.perry.com/ I'm B1FF!!! (a film festival), The Liberal Materialists (my band), photos, poetry, and much more. [Exp. #139.]

JOW'S TRUESPACE HOME PAGE
http://csual.cs.ucla.edu/truespace Provides images, utilities, and links of interest to the Caligari trueSpace user. [Exp. #140.]

KARMA KAGYU BUDDHIST CYBER CENTER
http://144.92.74.130 Introducing Karma Kagyu lineage of Tibetan Buddhism, main teachers, teaching and meditation schedules, presenting quarterly magazine. [Exp. #142.]

KAUA'I EXOTIX
http://planet-hawaii.com/~exotix/ A small tropical flower business in Kaua'i doing all of our business via the Internet. [Exp. #144.]

KBBS ONLINE
http://kbbs.kbbsnet.com Interesting Web site links, WWW business marketing info, online service info. [Exp. #142.]

KERRY'S CONNECTION
http://www.crl.com/~zallar/index.html Comedy Impressions—live and voice mail, QB Experience musical group, SRV School of Performing Arts. [Exp. #144.]

LACON III
http://sundry.hsc.use.edu/lacon3/ Web site for the World Science Fiction Convention coming to Anaheim in 1996. [Exp. #144.]

LATINOWEB
http://www.catalog.com/favision/latnoweb.htm Provides a platform for Latino organizations to make their information available to the Internet. [Exp. #141.]

LAUNCH POINT INTERNET SERVICE
http://www.lpoint.com How to get a Web site for your company. [Exp. #142.]

LINKS FROM THE UNDERGROUND
http://raptor.swarthmore.edu/jahall/ Original writings, anecdotes, and links with commentary convey a Net and world view on the Web. Coordinated craziness! [Exp. #140.]

LINKS GOLF BY BENGTSON COMPANY
http://www.well.com/www/bengtson/golf.htm

Your BUSINESS Internet Provider

Reliable and Responsive Service!
Courteous and Professional Staff!
Most Complete LA Basin Coverage,
16 Pops, Local Access in:
213, 310, 714, 805, 818, 909 & 916!

IT'S HERE! The most expansive ISDN coverage in the LA Basin!

ni.net
Network Intensive

For more information, call
Network Intensive at
1-800-273-5600,
e-mail **info@ni.net** or
see our home page at
www.ni.net.

Installation Assistance
- Configuration & Implementation
- Onsite Installation of Hardware/Software
- Telecommunications Circuits

Technical Support
- 24 Hour Support
- Telephone and E-mail Support
- Onsite Support Available

Services Available
- Digital Connections: 56K, 128K, 384K, T1
- Dialup PPP/SLIP Connections: All 28.8 Access
- Individual and LAN ISDN
- Business and Personal Accounts

World Wide Web Services
- Home Page with Every Business Account
- Comprehensive Hosting Services
- HTML Programming Services

Consulting Services
- FTP & Web Server Configuration
- Network Design
- Security Services

PLEASE
RECYCLE
YOUR
MICROTIMES
MAGAZINE.

Web Page Listings *continued...*

Northern CA golf course directories, travel lodging, dining information, golf product information, and photos. [Exp. #142.]

LinkStor Home Page
http://www.linkstor.com PC network and storage reseller in Silicon Valley. [Exp. #143.]

Loser Love Songs
http://www.slip.net/~mbutler/index.html Home of San Francisco power-pop band the Flex-a-Pleasers. Contains audio of every song in the catalog, more. [Exp. #143.]

Magnolia Jazz Band
http://www.sensemedia.net/sprawl/41345 Over twenty years jazzing up special events throughout SF Bay Area. [Exp. #144.]

Marine Jewelry by Robert Straight
http://www.stw.com/rls/rls.htm Ocean life rendered in fine gold jewelry. [Exp. #142.]

Mark Holt's Home Page
http://www.sun.com/sunsoft/cdware/mark.html A collection of cool and unusual Web sites. [Exp. #140.]

Match.Com
http://www.match.com "We met on the Net!" Thanks to Match.Com, the online dating service for the '90s. [Exp. #140.]

Midnight Special Bookstore Home Page
http://msbooks.com/msbooks Midnight Special's motto is taken from Bertolt Brecht: "Hungry man, reach for the book: It is a weapon." [Exp. #141.]

The Millennium Whole Earth Catalog
http://www.well.net/mwec/ 29 pages from the Whole Earth Catalog transformed into about 170 Web pages. [Exp. #142.]

Minor Leagues, Major Dreams
http://www.deltanet.com/minorleagues Minor league baseball, hockey, arena football, Indy 500 sports apparel retail sales. [Exp. #140.]

Modulus Graphite
http://www.dnai.com/~modulus Catalog of high-end basses and guitars. [Exp. #139.]

Motorcycle Online
http://motorcycle.com/motorcycle.html Anything and everything to do with motorcycles. [Exp. #139.]

Multiworld Magazine
http://www.jnw.com.mw/index.html Multiworld is a multimedia, multilingual magazine published bimonthly via the Web. [Exp. #144.]

Mystic Sports Journal
http://www.sirius.com/~regent/MSJ Spinmeister Jim Webster does sports like you've never seen it. [Exp. #144.]

Napa Valley PC Users Group
http://community.net/~stevefc/index.html The home page for the Napa Valley PC Users Group. [Exp. #141.]

The National Center for Employee Ownership
http://www.esop.org/~nceo/ Provides information on employee ownership in the US and elsewhere and lists publications and events. [Exp. #143.]

Natural World
http://www.cdnet:com/naturalworld Natural World makes 100% nontoxic, all-natural, chemical-free products for cleaning, infant care, nutrition, and pet care. [Exp. #143.]

Net Advantage
http://www.netadvantage.com/ Web site developer and marketing agency. [Exp. #144.]

NetBiz
http://204.188.129.2/netbiz/netbiz.html or *http://voyager.via.net/netbiz/netbiz.html* Your advertising gateway to the Internet. Home pages and online advertising worldwide. [Exp. #140.]

Netsurfer Digest Home Page
http://www.netsurf.com/nsd Netsurfer Digest is a free, email-delivered e-zine bringing cyberspace directly to your mailbox. [Exp. #140.]

NetWings
http://netwings.com NetWings is a software package that turns a small Macintosh into a full Internet server. [Exp. #143.]

Network World
http://voyager.via.net/netbiz/network.html The international directory of MLM and network marketing opportunities. [Exp. #141.]

New Wave Culture Plaza, Inc.
http://www.rahul.net/newwave/newwave.html A mail order company dedicated to Chinese culture. Chinese CDs, LDs, CD-ROMs... [Exp. #140.]

Nightflight Essential Guide to New York/Los Angeles at Night
http://www.echonyc.com/~voice The Nightflight Guide features recommendations for the hippest nightclubs, eating, drinking, and gaming establishments in New York and Los Angeles. [Exp. #144.]

Northern California Guide to Minor League Baseball
http://www.webcom.com/~rmd/baseball/minor-league.html Schedules, directions, ticket info, etc. for San Jose and Stockton. Coming soon: Modesto, Salinas, Sonoma. [Exp. #140.]

Novell Service & Support
http://www.aimnet.com/~yungi/lansol.html Novell network specialists—CNE. We offer Novell-authorized

"Surf the INTERNET on The Wave"

Call today and start Surfin' the NET!
800 • 554 • 7462

Tell a Friend & get a Free Month for each one who signs up!

Now you can be on the INTERNET and have FULL direct ACCESS to:

- World Wide Web, E-Mail, FTP, Gopher, Telnet and Usenet News.
- Local Access to 213, 310, 818, 714, 909 & 805 areas
- Fastest Internet Access Available at 28.8kbps.
- Free Software including Mosiac Netscape.
- 240 Hrs./Month of Full Unlimited Internet Access.
- No Hourly Charges or Additional Connect Fees.

$19.95 a month
set up fee not included

The WAVE Network

5820 Wilshire Blvd., #504
Los Angeles, CA 90036
E-Mail sales@wavenet.com

Web Page Listings *continued...*

network installation, service, and support. [Exp. #143.]

Obscure Research Labs
http://140.249.8.212/ORL/ Specializing in: UFOs, time travel, paraphysics, matrix technology, disinformation tracking, all the answers. [Exp. #143.]

DCSUG Home Page
http://halide.acs.uci.edu/ Home page of the Orange County Sun User Group. [Exp. #143.]

The Omega Transmissions—A Techno-Thriller
http://one.mind.net/omega/index.html An action-packed adventure about NASA's SETI project (Search for Extraterrestrial Intelligence). [Exp. #140.]

The Online Islamic Bookstore
http://www.sharaaz.com Quality books, CD-ROMs, tapes, software on Islam. View screenshots and descriptions of products. Order online. [Exp. #143.]

The Online World Monitor
http://login.eunet.no/~presno/monitor.html A free, bimonthly online product for supporters of *The Online World* resources handbook; subscriptions available. [Exp. #141.]

The Online World—online resources handbook
http://login.eunet.no/~presno/index.html Broadcasting schedules for news in many languages, world travel guides, international affairs, health, much more. [Exp. #142.]

Only Multimedia, Inc.
http://www.webcom.com/~only A widely known, super hot WWW site that your company can be a part of! (818)753-0037. [Exp. #142.]

Open Book
http://futon.sfsu.edu/%7etalon Open Book presents "Women's Journals," an interactive piece that was created exclusively for the Web. [Exp. #141.]

PacNetWeb
http://www.pacnet.com/ Pacific Internet and its PacNetWeb are your single source for Internet products and services. [Exp. #144.]

Palookaville Hats
http://www.primenet.com/~hanibal/hat.html Cool hats for the Global Village Idiot in all of us. [Exp. #141.]

ParentsPlace.Com
http://www.parentsplace.com/ The parenting resource center on the Web: reading rooms, chat, shopping mall with parenting and childcare products. [Exp. #144.]

Patrick Salsbury's Home Page
http://www.visionware.com/pat.html 110+ starting points for exploring the Web, HTML URLs, and me on a rock. :-) [Exp. #140.]

PCTravel
http://www.pctravel.com or *http://www.nando.net/pctravel.html* Real-time online air reservation and ticketing service with encryption and free overnight delivery of tickets. [Exp. #143.]

Phil Gramm for President Campaign
http://www.gramm96.org Speeches and articles from the campaign trail intermixed with graphics, audio and video clips, and more. [Exp. #143.]

PhoenixWeb
http://www.ptltd.com BIOS, plug and play SW, PCMCIA SW, Eclipse SW for desktop, portable, and handheld PCs. [Exp. #140.]

Pikes Peak Cam
http://www.softronics.com A spectacular, unobstructed view of Pikes Peak, updated every two minutes, from the roof of Softronics. [Exp. #142.]

Plug Into AVCom
http://siesta.packet.net/avcom/ Total solutions Web source. We will help you deliver your business concepts via the WWW. [Exp. #143.]

P-Net
http://www.p-net.com P-Net offers complete design, service, and support for your Web pages. Support includes HTML coding, cgi scripting, and scanning. [Exp. #144.]

QuoteCom
http://www.quote.com/ Stock quotes, business news, and financial market data for investors. [Exp. #139.]

Rational Data Systems
http://www.rds.com Just the basics so far, including employment and WWW contracting opportunities. Fancier stuff to follow. [Exp. #144.]

Regent Press
http://www.sirius.com/~regent A printer in Berkeley and publisher of *The Oracle* (Facsimile Edition) and *The Fringe Series.* [Exp. #144.]

Resumes Online
http://voyager.via.net/netbiz/resumes.html The place for job seekers to tell the world market of their availability. [Exp. #141.]

The Rivendel Pages
http://umbc8.umbc.edu/akhatt1/Rivendel.html Multiuser chat sites dedicated to communications for global understanding and creative expression. Come visit us. [Exp. #142.]

Robert Lee Entertainment (RLE)
http://www.rle.com/~rle/index.htm RLE is an indepen-

INTERNET ACCESS

UNLIMITED HOURS

Includes
- no signup fee
- unlimited hours
- speeds up to 28.8
- free home page
- 5 mb diskspace
- both ppp and shell accounts
- unlimited e-mail
- world wide web
- free technical support
- over 11,000 news groups
- local call in 818, 213, 310 and more coming soon....

$18.50 mo.

Call us for more information

phone: (818) 506-5757 email: info@val.net
fax: (818) 506-5665 www: http://www.val.net

ValNet, Inc.
"We make the Internet simple."

12439 Magnolia Boulevard #174, Valley Village, CA 91607

UNLIMITED CONNECT-TIME
INTERNET Only $12.99/mo.

213•465•1311

loop

- Easy to Use
- Graphical Interface
- High-Speed 28.8K
- Direct Connection
- World-Wide Web
- USENET News
- Electronic Mail
- On-Line Games
- Music/Video/Graphics

E-Mail: info@loop.com
WWW: http://www.loop.com/

Subscribe Online 213-465-1531 N-8-1 Login as 'new'

FREE SEMINARS
For Network Professionals

Is CNE For Me?
THE CERTIFIED NOVELL ENGINEER SEMINAR

There is only one way to absolutely, positively be recognized as a Novell NetWare professional. This seminar will give you insight on the CNE program and show you the benefits of choosing to become a Novell "Expert".

Date: Aug. 31, 1995 Time: 9:00am-Noon
Place: Westcon - Santa Ana

Microsoft JUMPSTART Technology Training

If you are considering working with Microsoft network products in an integrated business environment, don't miss this seminar. Learn about integration and migration with Microsoft NT, Windows 95 and BackOffice. Space is limited! Call Today!

Date: Sept. 12, 1995 Time: 1:00pm-4:00pm
Place: Westcon - North Hollywood

Call 800-932-7171 Ext. 4547

Microsoft® SOLUTION PROVIDER
Authorized Technical Education Center

Novell Authorized Education Center

THE CENTER FOR ADVANCED NETWORKING
WESTCON
LOS ANGELES • SANTA ANA • SAN DIEGO • SACRAMENTO • SAN JOSE

Be sure to ask about our other seminars as well as information on all of our Novell and Microsoft Authorized courses.

Internet Access with CRL.

Making A Bigger World For Your Home & Business.

CRL is Southern California's oldest and largest full service Internet provider. Since 1983, we have offered businesses quality service and reliable access.
For all your business or home Internet access needs, make *your* world a bigger place...with CRL.

Business Solution Accounts

HIGH-BANDWIDTH DEDICATED LEASED LINES
56K - 128K - 256K - 384K - 512K - 768K - Full T1 (1.5 Mbps) - Fractional or Full T3 (45 Mpbs)
Connect your LAN or Server directly to the Internet.
CRL has competitive pricing on dedicated line service & equipment.
For a personalized quotation, call a CRL representative today!

BUSINESS SLIP/PPP ACCOUNTS
give you full interactive Internet services with:
· A Registered Domain Name · A Static IP Address
· Multiple E-mail addresses under your Domain Name
· Multiple simultaneous sessions via your phone line connection

Personal Solution Accounts

Don't need a registered domain?
PERSONAL SLIP/PPP ACCOUNTS
Convenient point & click interface:
· E-mail address · World-Wide-Web · FTP · Telnet · IRC
· USENET Newsgroups · Archie & Gopher
NOW ONLY $24.95 per month
8 hrs/day FREE connect time

Don't need a graphic interface?
PERSONAL SHELL ACCOUNTS
· Complete Internet access via a text-based unix shell
· Full access to unix tools
(text editors, compilers & more)
· Create your own FTP directory · Put your HTML "Home Pages" on CRL's Web Server
NOW ONLY $17.50 per month
[illegible]

CRL
NETWORK SERVICES

Dialup: 213-236-9944 (login: guest)
Dialup: 714-517-6700 (login: guest)

Call a CRL Representative today at 415-837-5300 · E-mail: info@crl.com · On the World-Wide-Web: http://www.crl.com

UNLIMITED CONNECT-TIME
INTERNET Only $12.99/mo.
213•465•1311

loop

- Easy to Use
- Graphical Interface
- High-Speed 28.8K
- Direct Connection
- World-Wide Web
- USENET News
- Electronic Mail
- On-Line Games
- Music/Video/Graphics

E-Mail: info@loop.com
WWW: http://www.loop.com/

Subscribe Online 213-465-1531 N-8-1 Login as 'new'

NEW! New Novell CNE/Master-CNE NEW!
NETWORK CLASSES
Want a Career Boost? Be a Network Pro !

H.J.
Technology
141 E. Duarte Rd.
Arcadia, CA 91006
818-447-9959
Fax: 818-447-9882

NOVELL CERTIFICATION CLASSES
FOR THE NEW CNE/Master-CNE Certifications
* Small Classes with Experienced Instructors
* Novell Netware 4.1 Included FREE !
* Novell's Books/Material & NUI Videos
* Hands-on Lab, One Computer/Student
* 5,100 Sample Questions * Nights & Weekends
* Payment Plans * Guaranteed Return Policy
800-6-NETWRK ext201

Web Page Listings *continued...*

dent film, video, and WWW page production company. [Exp. #144.]

ROCK AND ROLL DIGITAL GALLERY
http://www.hooked.net/julianne/index.html A digital gallery featuring poster art and images with rock 'n' roll as the theme. [Exp. #143.]

ROCK AROUND THE WORLD
http://www.ratw.com Rock Around the World radio shows and newspapers: music, interviews, news—the '70s through today. [Exp. #141.]

ROUTE 66 LOS ANGELES WEBSTATION
http://www.losangeles.com Find information about movies in theaters, on TV, and on video. This is a locally focused site supported by layers of global information. [Exp. #144.]

RTFM WORLD
http://www.dnai.com/~cthomas/rtfm RTFM is an occasional rock 'n' roll band of Sybase tech support people. [Exp. #140.]

SALE@EXODUS.COM
http://www.exodus.com The complete solution to Internet access for business, education, and government applications. [Exp. #142.]

SALSA EXPRESS
http://www.stw.com/se/se.htm Southwestern culinary catalog. One-stop shopping for your salsa and hot sauce needs. [Exp. #142.]

SAN FRANCISCO BAY AREA AND BEYOND
http://www.hyperion.com/ba/sfbay.html Pointers to local attractions, entertainment, community services, employment, newspapers, sports, dining, and more. Updated weekly. [Exp. #140.]

THE SAN FRANCISCO NETWORK
http://www.SF.net Growing collection of Bay Area databases and newsletters including restaurants, wineries, entertainment, and commercial locations. [Exp. #139.]

SAN FRANCISCO WEB
http://www.sfweb.com Body, mind, spirit, personals, neighborhoods, and, of course, business listings. [Exp. #142.]

SAN JOSE STATE UNIVERSITY CONTINUING EDUCATION
http://conted.sjsu.edu/ Degree credit, certificate, and professional development courses open to all adults—on and off campus. [Exp. #142.]

SAN JOSE SYMPHONY HOME PORT
http://webcom.com/~sjsympho/ Meet Maestro Leonid Grin and the eighty-nine musicians of the San Jose Symphony. [Exp. #139.]

SAN MATEO TIMES
http://www.baynet.com/smtimes/index.html San Mateo County's only daily newspaper. [Exp. #139.]

THE SEAMLESS WEBSITE
http://tsw.ingress.com/tsw/ Advertisements for law firms and legal services providers, law review articles, and other legal information. [Exp. #140.]

SEGA WEB
http://www.segaoa.com Product information and graphics from the interactive king. Contests for prizes. [Exp. #140.]

SEMINARS IN USABLE DESIGN
http://www.info-design.com/usable.design Seminars in online information design, UI design, and usability testing. Leaders include William Horton. [Exp. #141.]

SENSATIONAL SEMINARS
http://www.onramp.net/sensational Sensational Seminars, Inc. "We Make Education an Experience" presents "Hollywood in Cyberspace" in LA. [Exp. #139.]

SERENITY
http://www.tecnation.com/serenity/ [Exp. #144.]

SHARROW ADVERTISING & MARKETING BIZINFO RESOURCE CENTER
http://www.dnai.com/~sharrow/register.html Advertising and marketing reports and issues, mail order catalogs, ad parodies, humor and sarcasm, digital age issues, and essays. [Exp. #142.]

SK WRITERS HOME PAGE
http://www.skwriters.com A placement agency specializing in technical pubs, marcom, and training professionals. [Exp. #141.]

SOPHAL'S PLACE
http://www.csua.berkeley.edu/~sophal Sophal's home page has many links to Cambodian-related home pages, not to mention his favorite quotations. [Exp. #140.]

SOFTWARE TECHNOLOGY SERVICE
ftp://ftp.crl.com/ftp/users/ro/sts/StsWWW/homepage.html Software and electronic analysis, design, and engineering. Specializing in unusual languages, systems, projects, and prototypes. [Exp. #140.]

SOLUTIONS SEMINARS
http://www.best.com/~solution Seminars for technical publications and training professionals. Documentation, online information. [Exp. #142.]

SONGWRITING CONSULTANTS, LTD.
http://www.earthlink.net/~songmd/ Hit songwriter Molly-Ann Leikin helps good songwriters become hit songwriters. Check out her Songwriter's Collaboration Network. [Exp. #144.]

SPEEDGATE COMMUNICATIONS
http://www.speed.net Complete Internet service provider for the Orange County/Long Beach area. Information on services and prices. [Exp. #142.]

SPORTS WORLD INTERNET
http://www.sports-world.com/sports/home.html Live Sports Chat, $1000 contest, fantasy Football League, user articles. Sports experts and novices welcome. [Exp. #144.]

THE SRMC SPIDER WEB
http://sweb.srmc.com/ Full-service ISP-WWW, 28.8, ISDN through T-1, as well as on-site support and maintenance. [Exp. #140.]

STANFORD CENTER FOR TUBERCULOSIS RESEARCH
http://molepi.stanford.edu Research at Stanford University tracking the spread of tuberculosis in San Francisco. [Exp. #140.]

STANFORD UNIVERSITY BECHTEL INTERNATIONAL CENTER
http://fuji.stanford.edu/icenter/icenter.html Programs

Online Guide

Web Page Listings *continued...*

and services offered by I-Center for Int'l. students/scholars, families, and students who want to travel abroad. [Exp. #142.]

STARBOX GRAND CENTRAL
http://www.starbox.com/starbox/ Contact Tecnation Digital World for your own Starbox™ WWW site and inclusion in the intuitive Starbox directory. [Exp. #141.]

STEVE'S HOT STUFF!
http://www.sonic.net/~stephen/ Places to explore, useful links for finding helper apps, freeware, and shareware. User Group info. [Exp. #144.]

STOWE MOUNTAIN RESORT
http://www.together.com/sms/stowe Photos, weather maps, snow condition reports, press releases, lodging information, insider's guides, and special offers. [Exp. #139.]

SUPERBUSINESS NET
http://www.sbusiness.com Web pages, ftp, and Internet services for business. We will be featuring secure transactions via the Web. [Exp. #140.]

SYBASE HOME PAGE
http://www.sybase.com Info on products and services; views of the San Francisco Bay by clicking on BayCam button. [Exp. #140.]

SYMMETRIC TECHNOLOGY
http://www.Symmetric.com Corporate Web page address. [Exp. #141.]

THE SYNDICATE
http://www.centcon.com/~billman/syn.html Devoted to helping those who seek financial information. Many articles, pointers to other investment information sites. [Exp. #142.]

THE TAX PROPHET
http://www.taxprophet.com The Tax Prophet deciphers the Internal Revenue Code for taxpayers and professionals alike. [Exp. #141.]

TECNATION DIGITAL WORLD
http://www.tecnation.com Tecnation Digital World provides industrial design for the Information Superhighway and develops its own products. [Exp. #143.]

TELOS, THE ELECTRONIC LIBRARY OF SCIENCE
http://www.telospub.com/ TELOS publishes scientific titles with electronic components: CD-ROMs, diskettes, or files via Internet. It's cool.

THINGS I'D LIKE TO SEE IN CYBERSPACE
http://www.clark.net/pub/journalism/wishes.html A simple home page to collect the thoughts and wishes of those using the Internet. [Exp. #139.]

THIS IS TRUE
http://infoark.com/freecom/ Home of the popular "This Is True" newspaper column, which is also available by listserv. [Exp. #144.]

THOMAS
http://thomas.loc.gov US House of Representatives: full text of all bills of 103rd Congress, email addresses, more. [Exp. #139.]

TIM HO
http://cad.ucla.edu:/~ho A serialized comic strip about a PC computer mouse. [Exp. #139.]

TOM CURTIS'S "WIDE WORLD OF ART"
http://www.slip.net/~tommy999 Evolving art-based home page including: multimedia, galleries, museums, sound, video, and public and personal art sites. [Exp. #142.]

TRADENET
http://voyager.via.net/netbiz/tradenet.html The international directory of world trade opportunities and offerings. [Exp. #141.]

UC RIVERSIDE, CALIFORNIA MUSEUM OF PHOTOGRAPHY
http://cmp1.ucr.edu Historical photographs, contemporary media arts, and children's projects are at the UCR/California Museum of Photography. [Exp. #140.]

UC SANTA CRUZ EXTENSION CATALOG
http://www.ucsc.edu/unex Quarterly, UCSC Extension provides its catalog of 500 courses, as well as events and information. [Exp. #141.]

UNCAT: THE CATALOG OF UNCATALOGED TITLES
http://www.sapphire.com/UNCAT/ Brochures, books, catalogs, newsletters, videocassettes, and audio cassettes not generally available in a bookstore or library. [Exp. #143.]

UNIFORM CAPITAL ACCESS NETWORK
http://www.ucan.com/ucan/ Offers investors and entrepreneurs the opportunity to explore business prospects. [Exp. #139.]

USAMALL
http://www.usamall.com Fun page with hot and hip info, adventure sports, and entertainment schedule for concerts in the Bay Area. [Exp. #140.]

USS LIBERTY HOME PAGE
http://www.halcyon.com/jim/ussliberty/ Information and files about the American ship that was attacked by the Israelis during the Six Day War. [Exp. #143.]

VEGAN ACTION
http://www.umanitoba.ca/arrs/va/vegan_action.html A nonprofit group providing information on vegan, animal-free diets, and lifestyles. [Exp. #139.]

VENICE BEACH, CALIFORNIA
http://www.mediaonline.com/bizads/venicebeach.html Celebrate Venice's 90th anniversary in this art community including fitness events in world-famous Muscle Beach. [Exp. #144.]

continued on page 221

List Your Web Page

To list your Web home page for FREE, send us the name of the page/site, the URL (address), and a fifteen-word description. Also, please include a contact name and phone number for our reference only. Listings will run for six issues unless renewed. We reserve the right to select listings on a space-available basis and to edit those listings as needed. Send your listing to: *JohnDownen@aol.com*; Web Listings, 3470 Buskirk Ave., Pleasant Hill, CA 94523; or fax to (510)934-3958.

Western DataCom

INTERNET Access & Business Solutions Provider

INDIVIDUAL
- PPP, Shell, or PPP and Shell
- Free Homepage w/ personal accounts
- High speed 28.8kbps modems on all lines
- Free Internet software for Mac & Windows

PPP, Shell $19/mo.* (100 Hr./mo. Access Time)

*Auto billing Plan

BUSINESS
- Put your company on the Internet today!
- Complete WWW Homepage design and Hosting services
- On-site support for various Internet and networking needs
- Dedicated connections & E-mails for your company
- Professionally Instructed Internet Classes

It's easy to get on line!

Call a WDC representative at 714-712-9050 or
Call our on-line registration at 714-712-9055
(login as "guest" with password "guest")
E-mail : info@wdc.net - http: //www.wdc.net

Web sites Starting at $50/mo.

News Files E-Mail WWW

(714) 712-9050 Call for more information WDC

1 City Boulevard West Suite 823, Orange, CA 92668

NETWORK TRAINING CLASSES

NOVELL

•CNA •CNE •ECNE
• V3.12 OR V4.1

Novell Certified NetWare Engineer

Our curriculum includes all of the newly required classes.

LOWEST TUITION COSTS IN SOUTHERN CALIFORNIA

SEA Offers:
- Guaranteed Small Classes
- Guaranteed Class Repeat Policy
- Experienced Instructors
- Outstanding Facilities and Equipment
- Traditional College Scheduling or Fast Track

Call Today
(714) 257-3095 • (800) 900-8848

DISCOVER AMERICAN EXPRESS VISA MasterCard

SEA

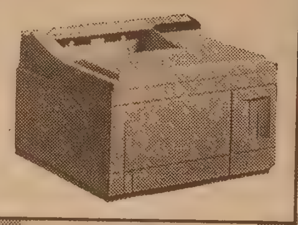
Microsoft SOLUTION PROVIDER
Authorized Technical Education Center

Software Education of America, Inc.
Southern California's Leading Software and Network Training Company
265 S. RANDOLPH AVE. #J190, BREA, CA 92621

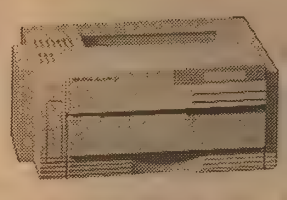
The Printer Connection

PHONE 1831 West Lincoln Blvd, Anaheim, CA 92801 FAX
714/758-8832 or TOLL FREE 800/660-1831 • E-Mail Us: PUZANT@PRICON.COM 714/635-175

HEWLETT PACKARD
4 PLUS
$1359



HEWLETT PACKARD
5P
$859



COMPAQ
HEWLETT PACKARD
AST.
Novell Authorized Reseller

TRADE-IN YOUR OLD HP FOR A NEW ONE!
CALL FOR BEST PRICING AND SERVICE
ON BRAND NAME PRODUCTS.
AUTHORIZED SERVICE CENTER FOR AST, COMPAQ,
HEWLETT PACKARD. NOVELL AUTHORIZED DEALER.

Printers

HP OfficeJet	$729
HP LaserJet IVL	$495
HP LaserJet IV V 16 PPM	$1895
Epson Stylus Color 720x720	$499
HP DeskJet 540	$289
HP DeskJet 660C Color	$499

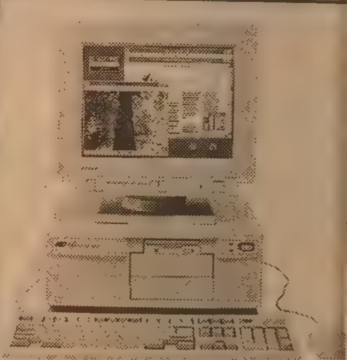
Call for prices on many other printers.

We offer a complete Printer and Computer **Repair** Facility and a large selection of Printer Ribbons

AST. ASCENTIA NOTEBOOK SPECIAL!

Ascentia 810N 486DX2-50Mz
- 4MB RAM
- 340 MB Hard Drive
- 10.3" Dual Scan STN Color Screen
- Bundled Software

ONLY $1995!



AST. Advantage Pentium 75MHz Multimedia!

- 540MB Hard Drive
- 8MB RAM
- 1MB 64Bit Video Controller
- Quad Speed CD ROM
- Sound Blaster and Speakers
- 14.4 Baud Fax/Modem w/Telephony
- 1MB 32Bit Graphics
- 15 Software Titles
- Windows, DOS & Mouse
- 3 Year Warranty

$1595

AST. Bravo MS

486 DX4/100MHz
Includes: 8MB RAM, 1.44MB Floppy Drive, Local Bus Graphics w/1MB, Windows, DOS 6.2, Mouse

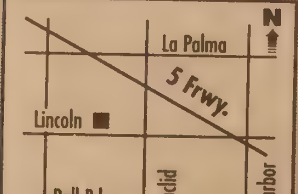
273 W (270MB Hard Drive)	$1895
543 W (540MB Hard Drive)	$2059

486/66MHz
Includes: 8MB RAM, 1.44MB Floppy Drive, Local Bus Graphics w/1MB, Windows, DOS 6.2, Mouse

273 W (210MB Hard Drive)	$1475
540 W (540MB Hard Drive)	$1595

AST. Ascentia Notebooks

Ascentia 910DX2 4/50 Dual Scan Color, 8MB RAM, 340MB Hard Drive	$2995
Ascentia 910DX2 4/75 Dual Scan Color, 8MB RAM, 510MB Hard Drive	$3395
Ascentia 910DX2 4/75 Active Color, 8MB RAM, 510MB Hard Drive	$4595
Ascentia 810DX2 4/66 Dual Scan Color, 4MB RAM, 250MB Hard Drive	$2395



EXCELLENT FINANCING AVAILABLE!

HOURS:
Mon - Fri
8 AM to 6 PM
Saturday
10 AM to 5 PM
CALL US TOLL FREE: 800/660-1831

One Block West of Euclid

NOBODY BEATS CYGMA SYSTEM PRICES & QUALITY

IMPOSSIBLE PRICES!!!

Best Quality With The Best Service

SPECIAL OF THE MONTH 586 P5-100 INTEL

GREEN PC
256KB Cache
8MB RAM (70ns)
850MB Hard Drive
1.44MB Floppy
PCI 64 2MB SVGA Card
Vesa IDE/10 Control
15" NI SVGA Monitor
HI-Res Mouse
4X Speed CD ROM
Sound Blaster 16Bit
16 CD Titles
Amplified Speakers

$1895

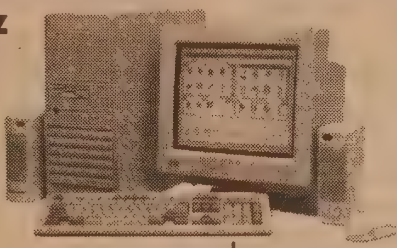
VESA LOCAL BUS STATIONS

486DX-66MHz	$359
486DX-33MHz	$329
486DX2-50MHz	$339
486SLC-66MHz	$249

NETWORKING EXPERTS–CALL–FOR CONSULTATION

SYSTEMS INCLUDE:
SUPER MINI-TOWER CASE
200W POWER SUPPLY
1MB RAM
1.44 MB Floppy Drive
Super IDE Controller (1:1)
2 Serial/1Parallel/1Game Por
Realtime Clock & Calendar
Dual F/H IDE Controller
101 Enhanced Keyboard
1 Year Warranty
Optional On-Site Warranty
72 Hour Burn-In Test

486DX2-66MHz



Pentium Ready (ZIF)
(256KB Cache)
200W Power Supply
Supply Mini-Tower Case
4MB RAM
540MB Hard Disk
VESA Super I/O
& IDE Controller
101 Enhanced Keyboard
1.44MB Floppy Drives
SVGA Monitor
(.28dpi, Multi-Freq.)
1MB VESA
SVGA Card
HI-RES Mouse

$839

486DX2-80MHz	$859
486DX4-100MHz	$875

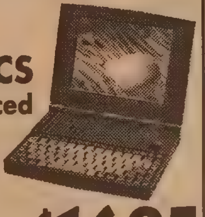
PENTIUM

Mini-Tower Case
8MB RAM
540MB Harddrive
1.44 3 1/2" Drive
101 Enhanced Keyboard
14" Monitor .28 NI
PCI 64 Bit SVGA Card
(Windows Accer.)
PCI 64 Bit IDE/IO
Controller • Mouse

PENTIUM 60 **$1195**

P5 PENTIUM 66	$1195
P5 PENTIUM 75	$1249
P5 PENTIUM 90	$1299
P5 PENTIUM 100	$1399

CYGMA NOTEBOOK TOSHIBA SPECIAL



T-1960CS

486DX2-50 MHz Enhanced
4MB RAM
200MB Hard Drive
3 1/2" Floppy Drive
9.5" Color SVGA LCD Display
Trackball
MS-DOS & WINDOWS
1 year warranty

$1695

T-1910

486SX Enhanced SL33 Mhz
Video & Graphics Accelerator
1.44 I.D.D.
VGA LCD w/64 gray scales
PCMCIA 2.01 type ii slot
DOS, Windows

$1195

Ask us about Free-Software Package w/Complete Systems Service, Repair, Maintenance Experts • Ask us about 3, 6, or 12 month interest-free financing (Quick Approval)

•MULTI-MEDIA•

SONY

Double Speed CD-ROM Amplified
Speakers Lab-Tech (pair)
16 CD-TITLES
Smart-CD Pak (speed CD-ROM up to 30 times)
16-Bit Sound Card (True 16 Bit)

$199

CREATIVE LABS

Discovery Kit
Double Speed CD-ROM Drive 320ms
300kb/sec.Sound Blaster 16 bit stereo,
CD quality sound card.Includes Groliers
Encyclopedia, Games & More!
Amplified Speakers Inc.

$249

Quad Speed 4x CD-Rom

16 Bit Stereo SBC Sound Card
Super 16 Titles/10CD Pack
High Power Stereo Speakers

$299

Monitors

SVGA 14" (.39)	$195
SVGA 14" (.28)	209
SVGA 14" (.28) NON-INTERLACED	219
SVGA 15" (1280x1024, .28dpi), Low-Rad, Flat	319
SVGA 17" (1280x1024, .28dpi) NON-INTERLACED	599

Hard Disks

420MB IDE (10.5 m.s.)	$159
540MB IDE (12 m.s.)	169
850MB	Call
1 GB	Call
2 GB SCSI	Call
RAM	
1M TO 2M	CALL
2M TO 4M	CALL
1M TO 4M	CALL
4M SIMM	CALL
1.2M FDD	CALL

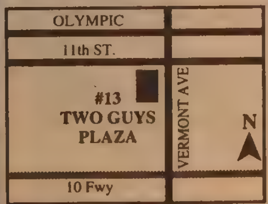
Modems & Accessories

MOUSE	$8
KEYBOARD 101 ENHANCED	19
FAX/MODEM 14.4/W/VOICE	49/65
FAX/MODEM 28.8 INT.	129

NETWORKING SPECIALIST

Printers & Scanners

PANASONIC 2130	CALL
CANON 200/600	CALL
OKI LASER	CALL
HP DESKJET 540/560C/320	CALL
HP LASER 4L/4+/4	CALL
EPSON STYLUS	CALL



M-F 9am-7pm Sat 10am-6pm

Toll Free Sales Hot Line
1-800-700-7331

CYGMA COMPUTER

1133 S. VERMONT AVE. #13 • Los Angeles, CA 90006
TECH SUPPORT 213. 368-7331
FAX 213. 368-7335

PRICE BASED ON CASH DISCOUNT • PRICE MAY CHANGE WITHOUT NOTICE • Cygma Is Not Responsible For Any Typographical Errors

NOBODY BEATS CYGMA SYSTEM PRICES & QUALITY

MELCO Int'l GROUP

We Honor School, Corporate,
and Government P.O.'s
We Accept VISA, Master,
Discover, and American Express
We do not responsible for typo error
there are 2% charge using credit card

VISA
Master

Business Hours
Mon-Friday 9:00am-7:00pm
Saturday 10:00am-4:00pm

Quanta Pentium

4 PCI and 4 ISA Slots
8MB RAM, 256K Cache
1.44MB F.D.D., **850MB H.D.D.**
PCI Enhan. HDD& FDD Ctrl.
High Speed I/O **16550 UART**
PCI Windows Accel. SVGA Card w/2MB Memory
15" Non-Interlaced Monitor
101 Enhanced K.B.& Mouse
Midi Tower Case

Pentium 75Mhz	**$ 1435**
Pentium 90Mhz	**$ 1535**
Pentium 100Mhz	**$ 1635**

Green 486's PC

Pentium Overdirve ready
4MB RAM, 256K Ext. Cache
560MB Enh. IDE H.D.D.
VL-Bus IDE+I/O Ctrl. Card
VL-Bus 1MB Windows Accel. Card
14" N-Int., .28 SVGA Monitor
Digital Mini Tower Case
101 Enh. K.B., & Serial Mouse
EPA Standard Green PC

486DX2-50Mhz	**$ 800**
486DX2-66Mhz	**$ 818**
486DX2-80Mhz	**$ 829**
486DX4-100Mhz	**$ 899**

Barebone Systems

Included in the Barebone :
1.44MB F.D.D., ISA IDE+I/O, Mini Tower Case
101 Enhanced Key Board, 3 Buttons Serial Mouse

386SX-40Mhz	$ 185
386DX-40Mhz	$ 215
486DLC-40Mhz	$ 235
486DX2-50Mhz	$ 278
486DX2-66Mhz	$ 298
486DX2-80Mhz	$ 328
486DX4-100Mhz	$ 368
Pentium 60Mhz	$ 410
Pentium 75Mhz	$ 499
Pentium 90Mhz	$ 599
Pentium 100Mhz	$ 699

MULTI MEDIA

QUAD SPEED CD-ROM **$ 288**
16 Bits sound Card
40 watts Amp. Speaker
Mini Mocrophone
14Cd Titles

DOUBLE SPEED CD-ROM **$ 259**
16 Bits Sound Card
40 Watts Amp. Sjeaker
Mini Microphone
14 CD Titles

MPEG Play Back Card **$ 185**
Play Video CD, CD-I,
Feature Lenght Movie,
Karaoke CD

Microsoft 5 CD Titles $78
- Encarta 1995 - Dangerous Creature
- Mircosoft Works - Microsoft Money
- Microsoft Golf - Entertainment Pack

Fax Modem

14.4 Int. Fax Modem	$ 52
14.4 Int. Voice Fax Modem	$ 65
14.4 Ext. Voice Fax Modem	$ 75
28 8 Int. Fax Modem	$146
28.8 Int. V.34 Fax Modem	$165
28 8 Ext. V.34 fax Modem	$175

Sound Card

Sound Blaster MCD 16	$ 95
Sound Blaster 16 SCSI	$115
Sound Blaster Comp. 16	$ 65
Media Vision 16	$ 70
Sound Blaster AWE 32	$ 245

Mother Board

386SX-40Mhz	$ 65
386DX-40Mhz	$ 105
486Dx2-50Mhz 256K w/CPU	$ 175
486DX2-66Mhz 256K w/CPU	$ 185
486DX2-80Mhz 256K w/CPU	$ 200
486DX4-100Mhz 256K w/CPU	$ 255
P5 60/66Mhz 256K w/o CPU	$ 155
P5 75/90/100Mhz 256K w/o CPU Built in Enh. IDE+I/O	$ 225

Display Card

MGP Card	$ 15
256K SVGA Card	$ 30
512K SVGA Card	$ 38
Trident 8900D 1MB ISA	$ 55
Trident 9440 1MB VLB	$ 75
S3 VLB 1MB SVGA Card	$ 72
Diamond Stealth 64 VLB 2MB VRAM	$275
Diamond Stealth 64 PCI 2MB VRAM	$275
ATI MAch 64 VLB 2MB VRAM	$275
ATI MAch 64 PCI 2MB VRAM	$275

Interface Card

ISA IDE+I/O	$ 15
VLB IDE+I/O Support 4 HDD	$ 19
VLB Enhanced IDE+ I/O Support 4 HDD	$ 35
SCSI2 Super IDE+I/O Enhanced Combo	$125
Adaptec 2940 PCI Ctrl.	$195

Key Board

Acekey Keyboard	$ 18
Focus 2001 Keyboard	$ 32
Focus 9000 Keyboard	$ 48
Chicony 101	$ 33
Microsoft Natural	$ 89
Key Tronics Keyboard	$ 38

Mouse

Z-Nix Mouse	$ 8
True Mouse w/Pad&Holder	$ 17
Wireless Mouse	$ 29
Microsoft Serial Mouse	$ 28

Hard Drive

420MB Samsung, Conner, Maxtor	$ 150
540MB Samsung, Conner, Maxtor	$ 165
730MB Conner, Maxtor, Quantum	$ 215
850MB Conner, Maxtor, Quantum	$ 245
1.08Gig IDE	$ 338
1.08Gig SCSI	$ 448
1.2Gig IDE	$ 348
1.2Gig SCSI	$ 498

Hyperdata Notebooks :

486DX4-100Mhz

- 4MB RAM
- 9.4" Color DSTN Screen
- 340MB HDD
- **16 Bits Sound Card & Mic.**
- **Built In CD-ROM**
- SVGA W/1MB RAM
- 2 PCMCIA Slots Type I,II,III
- High Speed I/O
- Micro Joystick Mouse
- Ext. 1.44MB FDD

$ 2245

Pentium 75Mhz

- 8MB RAM
- 9.5" Color DSTN Screen
- 540MB HDD
- **16 Bits Sound Card & Mic.**
- SVGA W/1MB RAM
- 2 PCMCIA Slots Type I,II,III
- High Speed I/O
- **Built In SCSI Port**
- Ext. 1.44MB FDD

$ 2495

Special Pick Of the Month

Quanta 486DX4-100MHz Multi Media System

$ 1299

4MB of RAM, 1.44MB F.D.D., 560MB H.D.D.
Enhanced IDE+I/O w/16550 UART I/O
2MB VLB Windows Accelerator Video Card
101 Enhanced Key board, Serial Mouse
14" Non-Int. Proton Monitor,Deluxe Mini Tower Case
Quad Speed CD-ROM, Acer 16 Bits Sound Card
25 Watts Speaker, **Microsoft 1995 Encarta**
Microsoft Works, Money,Microsoft CD Sampler
Microsoft Dangerous Creature & Entertainment Pack
14.4 Internal Voice Fax/Modem

Proton 15" Multi Media SVGA Monitor **$ 330**
From The Leading HI-FI Manufacturer
Edge To Edge Screen View
Built In 30 watts Stereo Speaker
Non-Interlaced, EPA Standard

Diamond Stealth 32 PCI w/2MB DRAM **$ 135**

Diamond Stealth 64 PCI w/2MB DRAM **$ 155**

Dual Pentium Intel Neptune Mother Board **$ 298**
Dual Pentium ZIFF Socket
256K External Cache
Support Pentium 75MHz Up to 120MHz CPU
Six 72 Pins SIMM Module Socket

Novell Lan Special

1 Dedicated File server and 2 Work station
Include Installation and Wiring

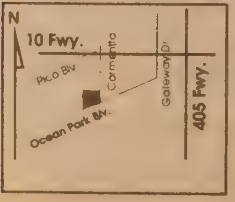
File Server Pentium 100Mhz
8MB Ram, 256K Cache, 1.44MB F.d.d.
MGP Card and Monitor, Full Tower Case
1.08Gig H.D.D., Novell Net Ware 3.11; 5 Users

Work Station 486DX2-66 Mhz
4MB Ram, 256K Cache, 1.44Mb F.D.D.
1Mb SVGA Card, N-Int. SVGA Monitor,
560Mb H.D.D., VLB IDE+I/O, Key Board
Mouse, Mini Tower Case

$ 4899
No Hidden Cost

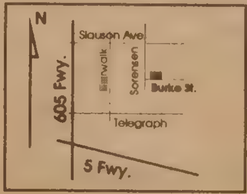
Computerized Your Business with Novell Networking

3435 Ocean Park Blv. #106 Santa Monica, CA 90405



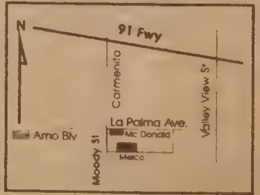
Santa Monica
Phn : 310-581-8462
Fax : 310-581-8464

12035 Burke St., # 3 Santa Fe Springs, CA 90670



Santa Fe Springs
Phn : 310-907-1180
Fax : 310-907-1186

7002 Moody St.,#111A La Palma,CA90623



Orange County
Phn : 310-809-8448
Fax : 310-809-1528

New MPEG & 133MHz Computing Power

PCI Powerstation

- Intel Zappa (Triton chipset) & Pentium™ CPU
- 256K WB Fast Cache
- 16MB RAM (Expandable to 128MB)
- 2.15GB 9ms SCSI-3 Hard Drive
- PCI Adaptec 2940W Fast & Wide SCSI-3 ctrl.
- PCI Diamond Stealth 64 (2MB RAM) Accelerator
- 17" MAG DX17F .26mm Flat Screen Monitor
- Two High Speed Serial Ports (16550 UART) & 1 Parallel (EPP/ECP) & 1 Game Port
- 1.44MB Floppy Drive
- 101 Keyboard
- Microsoft Mouse
- Toshiba 3601B SCSI-2 (4.4X) CD-ROM 150ms
- Creative Labs Sound Blaster 16 w/ASP
- Microsoft Family Pack (Encarta 95, Works 3.0, Golf, Ancient Lands, Money 3.0, MS Home CD Sampler, Entertainment Pack)
- 130 Watt Hi-Fi Stereo Speakers with Earphone
- Full Tower Case (10 Bays & 250W UL PS)

Pentium 100	**$3549**
Pentium 120	**$3819**
Pentium 133	**$4189**

PCI Media Ultima

- Intel Pentium™ CPU
- 256K WB Fast Cache
- 16MB RAM (Expandable to 128MB)
- 1.2GB 10ms Enhanced IDE Hard Drive
- PCI Enhanced IDE HD Controller
- PCI Diamond Stealth 64 (2MB RAM) Accelerator
- 17" MAG DX17F .26mm Flat Screen Monitor
- Two High Speed Serial Ports (16550 UART) & 1 Parallel & 1 Game Port
- 1.44MB Floppy Drive
- 101 Key Keyboard
- Hi-Resolution Mouse
- Quad Speed (4.4X) CD-ROM Drive 195ms/660K
- Sound Blaster (Vibra 16 Chip) Sound Card
- 19 Popular CD Software Titles
- 130 Watt Hi-Fi Stereo Speakers with Earphone
- Mid Tower Case (7 Bays & 230W UL PS)

Pentium 75	**$2249**
Pentium 90	**$2309**
Pentium 100	**$2369**
Pentium 120	**$2639**
Pentium 133	**$2999**

PCI Media Pro

- Intel Pentium™ CPU
- 256K WB Fast Cache
- 8MB RAM (Expandable to 128MB)
- 850MB 11ms Enhanced IDE Hard Drive
- PCI Enhanced IDE HD Controller
- PCI Diamond Stealth SE (1MB RAM)
- 15" Non-Interlaced .28mm Flat Screen Monitor
- Two High Speed Serial Ports (16550 UART) & 1 Parallel & 1 Game Port
- 1.44MB Floppy Drive
- 101 Key Keyboard
- Hi-Resolution Mouse
- Quad Speed (4.4X) CD-ROM Drive 195ms/660K
- Sound Blaster (Vibra 16 Chip) Sound Card
- 19 Popular CD Software Titles
- 130 Watt Hi-Fi Stereo Speakers with Earphone
- Mid Tower Case (7 Bays & 230W UL PS)

Pentium 75	**$1599**
Pentium 90	**$1659**
Pentium 100	**$1719**
Pentium 120	**$1989**
Pentium 133	**$2359**

PCI Best Buy

- 486 or Pentium™ CPU
- 256K WB Fast Cache
- 8MB RAM (Expandable to 128MB)
- 540MB 12ms IDE Hard Drive
- PCI Enhanced IDE HD Controller
- PCI SVGA Graphics Accelerator (1MB RAM)
- 15" Non-Interlaced .28mm Flat Screen Monitor
- Two High Speed Serial Ports (16550 UART) & 1 Parallel & 1 Game Port
- 1.44MB Floppy Drive
- 101 Key Keyboard
- Hi-Resolution Mouse
- Mid Tower Case (7 Bays & 250W UL PS)

AMD 486DX4/100	**$1049**
Intel 486DX2/66	**$1049**
Intel 486DX4/100	**$1129**
Pentium 75	**$1279**
Pentium 90	**$1339**
Pentium 100	**$1399**
Pentium 120	**$1669**

486VLB Media Pro

- 486 CPU & Pentium™ OverDrive Ready
- 256K WB Fast Cache
- 8MB RAM (Expandable to 128MB)
- 850MB 11ms IDE Hard Drive
- 32Bit VLB Enhanced IDE HD Controller
- 32Bit VLB SVGA Graphics Accelerator (1MB RAM)
- 15" Non-Interlaced .28mm Flat Screen Monitor
- Two Serial Ports, 1 Parallel & 1 Game Port
- 1.44MB Floppy Drive
- 101 Key Keyboard
- Hi-Resolution Mouse
- Quad Speed (4X) CD-ROM Drive 190ms/660KB
- Sound Blaster (Vibra 16 Chip) Sound Card
- 19 Popular CD Software Titles
- 130 Watt Hi-Fi Stereo Speakers with Earphone
- Mid Tower Case (7 Bays & 230W UL PS)

AMD 486DX2/80	**$1339**
AMD 486DX4/100	**$1359**
Intel 486DX2/66	**$1359**
Intel 486DX4/100	**$1439**

Parts List

Mag 15DXF 15" .28dp monitor	$335
Mag 17DXF 17" .26dp monitor	$595
Acer 7155 15" .28dp monitor	$305
Viewsonic 17 17" .27dp monitor	$845
Trident 9440 SVGA card w/1MB PCI/VLB	$ 75
Diamond Stealth 64 w/2MB DRAM	$175
Diamond Stelath 64 Video w/2MB VRAM	$275
Connor 850MB IDE HDD	$205
Connor 1.2GB IDE HDD	$275
Quantum 2.15GB SCSI-2 HDD	$799
Quantum 2.15GB SCSI-3 HD (Fast&Wide)	$899
14.4 Fax/Modem	$ 50
14.4 Voice Fax/Modem	$ 65
28.8 Fax/Modem V.34	$145
80 Watt Stereo Speakers	$ 35
130 Watt Stereo Speakers	$ 47
Microsoft Mouse	$ 30
Logitech Mouseman	$ 37
Connor 420MB Tape Backup	$165
Connor 850MB Tape Backup	$265
Sony Double Speed (2X) CD-ROM	$109
Mitsumi internal 4X CDROM IDE	$179
Toshiba 3601B internal 4X CDROM SCSI	$299
NEC MultiSpin 4Xe external CDROM SCSI	$475
NE2000 Network combo card (BNC/TP)	$ 35

BUSINESS HOURS
MON-FRI
10AM-7PM
SATURDAY
10AM-5PM

VISA
Mastercard
Discover
Prices reflect 3% Cash Discount

PC Magic

Tel: (818) 336-6862

Three Year Labor - One Year Parts Warranty

City of Industry
16025 Gale Ave. #A-4
City of Industry, CA 91745
Tel: (818) 336-6862
Fax: (818) 336-6872

Pentium Blowout Sale

Pentium 100
Multimedia-Gold

Intel Pentium 100Mhz & Heat Sink Fan
On Board PCI IDE Controller
256K Cache Memory & Phoenix Bios
8M RAM 72 Pin
850MB IDE Hard Drive
3.5" Floppy Drive
PCI Graphic Accelerator w/1M
Digital Medium Tower Case w/Power
15" Digital SVGA Monitor 0.28mm
101 Enhanced Keyboard
3 Button Mouse & Pad
Quad Speed CD-ROM Drive
16 bit Sound Blaster Original Card
80W Super Power Stereo Speakers
CD titles 3CDs w/Encyclopedia

$1,889

Pentium 90
Multimedia-Gold

Intel Pentium 90Mhz & Heat Sink Fan
On Board PCI IDE Controller
256K Cache Memory & Phoenix Bios
8M RAM 72 Pin
850MB IDE Hard Drive
3.5" Floppy Drive
PCI Graphic Accelerator w/1M
Digital Medium Tower Case w/Power
15" Digital SVGA Monitor 0.28mm
101 Enhanced Keyboard
3 Button Mouse & Pad
Quad Speed CD-ROM Drive
16 bit Sound Blaster Original Card
80W Super Power Stereo Speakers
CD titles 3CDs w/Encyclopedia

$1,789

Pentium 75
Multimedia-Gold

Intel Pentium 75Mhz & Heat Sink Fan
On Board PCI IDE Controller
256K Cache Memory & Phoenix Bios
8M RAM 72 Pin
850MB IDE Hard Drive
3.5" Floppy Drive
PCI Graphic Accelerator w/1M
Digital Medium Tower Case w/Power
15" Digital SVGA Monitor 0.28mm
101 Enhanced Keyboard
3 Button Mouse & Pad
Quad Speed CD-ROM Drive
16 bit Sound Blaster Original Card
80W Super Power Stereo Speakers
CD titles 3CDs w/Encyclopedia

$1,689

4DX4-100
Multimedia-Gold

486DX4/100Mhz CPU & Heat Sink
VLB Green 256K Cache ZIP 5V,3.3V
8M RAM 72 Pin
850MB IDE Hard Drive
3.5" Floppy Drive
32bit I/O & IDE Controller
32bit 9440 Accelerator w/1M
Digital Mini Tower Case w/Power
15" Digital SVGA Monitor 0.28mm
101 Enhanced Keyboard
3 Button Mouse & Pad
Quad Speed CD-ROM Drive
16 bit Sound Blaster Original Card
80W Super Power Stereo Speakers
CD titles 3CDs w/Encyclopedia

$1,479

Pentium 100
Multimedia-Silver

Intel Pentium 100Mhz & Heat Sink Fan
On Board PCI IDE Controller
256K Cache Memory & Phoenix Bios
8M RAM 72 Pin
540MB IDE Hard Drive
3.5" Floppy Drive
PCI Graphic Accelerator w/1M
Digital Medium Tower Case w/Power
14" SVGA NI Monitor 0.28 Dot Pitch
101 Enhanced Keyboard
3 Button Mouse & Pad
Double Seed CD-ROM Drive
16 bit Sound Blaster Original Card
Amplified Stereo Speakers
CD titles 3CDs w/Encyclopedia

$1,629

Pentium 90
Multimedia-Silver

Intel Pentium 90Mhz & Heat Sink Fan
On Board PCI IDE Controller
256K Cache Memory & Phoenix Bios
8M RAM 72 Pin
540MB IDE Hard Drive
3.5" Floppy Drive
PCI Graphic Accelerator w/1M
Digital Medium Tower Case w/Power
14" SVGA NI Monitor 0.28 Dot Pitch
101 Enhanced Keyboard
3 Button Mouse & Pad
Double Seed CD-ROM Drive
16 bit Sound Blaster Original Card
Amplified Stereo Speakers
CD titles 3CDs w/Encyclopedia

$1,529

Pentium 75
Multimedia-Silver

Intel Pentium 75Mhz & Heat Sink Fan
On Board PCI IDE Controller
256K Cache Memory & Phoenix Bios
8M RAM 72 Pin
540MB IDE Hard Drive
3.5" Floppy Drive
PCI Graphic Accelerator w/1M
Digital Medium Tower Case w/Power
14" SVGA NI Monitor 0.28 Dot Pitch
101 Enhanced Keyboard
3 Button Mouse & Pad
Double Seed CD-ROM Drive
16 bit Sound Blaster Original Card
Amplified Stereo Speakers
CD titles 3CDs w/Encyclopedia

$1,429

4DX4-100
Multimedia-Silver

486DX4/100Mhz CPU & Heat Sink
VLB Green 256K Cache ZIP 5V,3.3V
4M RAM 72 Pin
540MB IDE Hard Drive
3.5" Floppy Drive
32bit I/O & IDE Controller
32bit 9440 Accelerator w/1M
Digital Mini Tower Case w/Power
14" SVGA NI Monitor 0.28 Dot Pitch
101 Enhanced Keyboard
3 Button Mouse & Pad
Double Seed CD-ROM Drive
16 bit Sound Blaster Original Card
Amplified Stereo Speakers
CD titles 3CDs w/Encyclopedia

$1,089

Pentium 75

Intel Pentium 75Mhz CPU
CPU Cooling Fan & Heat Sink
On Board PCI IDE Controller
256K Cache Memory & Phoenix Bios
8M RAM 72 Pin
540MB IDE Hard Drive
3.5" Floppy Drive
PCI Graphic Accelerator w/1M
Digital Medium Tower Case w/Power
14" SVGA NI Monitor 0.28 Dot Pitch
101 Enhanced Keyboard
3 Button Mouse & Pad

$1,249

4DX4-100

486DX4-100Mhz CPU & Heat Sink
256K Cache Memory, VLB Green Bd
AMI Bios, ZIP Socket 5V & 3.3V
4M RAM 72 Pin
540MB IDE Hard Drive
3.5" Floppy Drive
32bit I/O & IDE Controller 2S,1P,1G
32bit 9440 Accelerator w/1M
Digital Mini Tower Case w/Power
14" SVGA NI Monitor 0.28 Dot Pitch
101 Enhanced Keyboard
3 Button Mouse & Pad

$899

Quality Components / Lowest Price !

486 VLB Board w/256K ZIP 3	$99	14" SVGA Monitor 0.28mm	$199
1.2MB Floppy Disk Drive	$44	14"NI SVGA Monitor 28 Green	$219
1.44MB Floppy Disk Drive	$39	15" Digital Monitor 1280x1024	$319
32bit 9440 VLB Accelerator	$78	17" Digital Monitor 1280x1024	$599
Trident PCI w/1M DRAM	$79	VLB I/O & IDE Enhanced Card	$24
ATI PCI Mach 32 w/1M DRAM	$109	14.4 Voice Fax/Modem	$59
ATI PCI Mach 64 w/2M DRAM	$199	Mini Tower Case Digital LED	$43
ATI PCI Mach 64 w/2M VRAM	$299	Medium Tower Case w/LED	$65
Double Speed CD-ROM	$89	Desk Top Case Digital LED	$49
Quad Speed CD-ROM	$159	Big Tower Case w/LED	$89
Sound Blaster 16 Bit Original	$79	MicroSoft Original Mouse	$29
Network NE-2000 Comp. Card	$39	MicroSoft New Keyboard	$89

2 Years Labor & 1 Year Parts Warranty

Network & Accounting Setup

Financing Available, 90 Days Same as Cash

For Approved Credit Only
Price based on Cash Discount
Prices subject to change without notice

VISA

One Year Parts & Two Years Labor Warranty

C.P TECHNOLOGY

12880 Beach Blvd #C Stanton CA 90680
Phone 714-894-5063 Fax 894-0762
Mon-Fri:9am-7pm / Sat:10am-6pm

WHOLESALES TO PUBLIC!

FREE mouse and Softwares with complete system purchase

SUPER ECONOMY SYSTEM

386SX-40 $165

386DX-40 $193

486DLC-40 $203

486SX-50 $264

486SLC2-66 w/ Math-Co $262

486DLC-75 w/ Math-Co $303

486DX2-50 $260

PENTIUM-60 $464

486DX2-66 $270

PENTIUM-75 $542

486DX4-100 $333

PENTIUM-90 $633

SYSTEMS INCLUDE

Digital Mini Tower Case
1MB RAM
1.44 MB Floppy Drive
Super I/O Controller(1:1)
2 Serial / 1 Parallel
1 Game port
Clock and Calendar
101 enhanced Keyboard
Lifetime Labor Warranty
1 Year Parts Warranty
72-hour burn-in Test

COMPLETE VLB/PCI SYSTEM

486VLB DX2-50 $752

486VLB DX2-80 $832

486VLB DX2-66 $802

486VLB DX4-100 $872

PENTIUM PCI-60 $1002

PENTIUM PCI-90 $1162

PENTIUM PCI-75 $1062

PENTIUM PCI-100 $1292

Digital Mini Tower Case
4 MB RAM
1.44 MB Floppy Drive
540 MB Hard Drive
14" SVGA Monitor
VLB/PCI I/O Controller
2 Serial / 1 Parallel
1 Game port
1 MB VLB/PCI SVGA Card
101 enhanced Keyboard
LifeTime Labor Warraty
1 Year Parts Warranty
72-hour burn In Test

WE WILL MATCH ANY ADVERTISED PRICE !!

MUTIMEDIA SPECIAL

2X Speed CD-ROM 16 bit Sound Card Stereo Speakers	4X Speed CD-ROM 16 bit Sound Card Stereo Speakers
$175	$235
CREATIVE LAB PACKAGE SoundBlaster 16 bit Creative 2X CD-ROM 18 CD-ROM Titles Stereo Speakers	CREATIVE LAB PACKAGE SoundBlaster 16 bit Creative 4X CD-ROM 18 CD-ROM Titles Stereo Speakers
$220	$295

TOSHIBA NOTEBOOKS

MODEL	CPU	DISPALY	RAM	HARD	PRICE
T2105	486DX2-50	9.5" Mono	4/20	350	1350
T2105CS	486DX2-50	9.5" Color D/S	4/20	350	2070
T2105CT	486DX2-50	9.5" Color Act	8/20	350	2350
T2150CDT	486DX4-75	8.4" Color Act.	8/20	500	3650
T2155CDS	486DX4-75	9.5" Color D/S	4/20	500	2700
T2400CT	486DX2-50	8.4" Color Act.	8/24	250	2100
T2450CT	486DX2-50	7.8" Color Act.	4/20	500	3150
T4700CS	486DX2-50	8.4" Color D/S.	8/24	210	1990
T4800CT	486DX4-75	9.5" Color Act.	8/24	500	2870
T4900CT	P5 NTB	9.5" Color Act.	8/24	500	4350

HARD DISK DRIVE

270MB IDE	139
420MB IDE	149
540MB IDE	159
720MB IDE	216
850MB IDE	219
1.0 GB IDE	285
1.2 GB IDE	320
1.0 GB SCSI2	429
1.2MB FDD	39
1.44 MB FDD	29

MONITOR & GRAPHIC CARD

14" Mono	78
14" Mono VGA	88
14" SVGA(.39)	178
14" SVGA(.28)	188
14" SVGA(.28)NI	205
15" SVGA(.28)NI	295
17" SVGA(.28)NI	528
ISA 256K VGA	32
VLB 1MB SVGA	65
PCI 1MB SVGA	68
ATI M32 PCI	82

UPGRADE & PARTS

MEMORY UPGRADE	CALL
250 MB TAPE DRIVE	118
420 MB TAPE DRIVE	148
486 BOARD W/ DX2-50	145
486 BOARD W/ DX2-66	180
PENTIUM 60/66 BOARD	109
PENTIUM TRITOM M/B	195
A4 MOUSE	12
MOUSE PAD	3
SCREEN FILTER	21

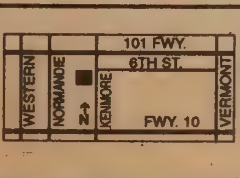
FAX/MODEM

14.4K FAX int.	45
14.4K FAX/VOICE	59
14.4K ext.	90
Pocket FAX	56
28.8K FAX int.	135
US Robotics 14.4K int.	95
US Robotics 14.4K ext.	105
US Robotics 28.8K int.	219
US Robotics 28.8K ext.	229

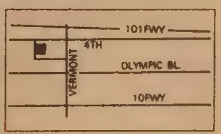
90 DAYS SAME AS CASH! FINANCING AVAILABLE!

YES!, WE HAVE NETWORK SPECIALISTS

NRC COMPUTER
3450 W 6th St 110 Los Angeles, CA 90005 (6th and Kenmore)
(213)388-1700 Fax (213)388-1795
Mon - Sat 9 a.m. - 7p.m.



EZ COMPUTER SYS.
401 S. Vermont Ave. #4 Los Angeles, CA 90020 (4th and Vermont)
(213)380-4431 Fax (213)380-3974
Mon - Sat 10 a.m. - 7p.m.



All prices above are cash discount price. Price subject to change without notice. Not responsible for any typographical errors.

Jerry Kaplan

On Ventures Past And Presen

Startups

Live And Learn

When we last visited with Jerry Kaplan, he was on the cover of issue #81 with his colleagues Bill Campbell and Robert Carr. They were all very upbeat about the prospects of GO, the startup Kaplan had founded to pursue the vision of pen-based computing.

Kaplan recounts his experiences of GO's roller-coaster fortunes in his current book *Startup: A Silicon Valley Adventure* (ISBN: 0-395-71133-9). Described by its author as "a racy novel," it's a lively chronicle of the industry's inner workings, from lofty ideals to darkest skulduggery.

And with the benefit of all that experience, Kaplan is now doing another startup. This one's called OnSale, *http://www.onsale.com/*, dedicated to some novel approaches to Internet-based marketing. Its motto, as we discovered while visiting the Mountain View headquarters: Pursue the Irresistible!

So Jer, after all these terrible experiences you had, why would anyone in their right mind want to do a startup? [laughter]

Well, Startups R Us. That's who I am.

And while the experience at GO didn't turn out positively in the end, I wouldn't trade it for anything. I felt honored to have the opportunity to work with the people that I did, and a chance to take my turn at bat in creating a new arm of the industry.

There is a certain affinity that some people feel for that act of creation. I think that every entrepreneur secretly is out to prove one simple thing, which is that an individual can make a difference. And once you've been there on the edge, it's difficult to imagine becoming Vice President of Bull at some large company.

[laughs at look on my face] Is this what you're looking for?

Well...you might be the first entrepreneur I've ever talked to who has said in so many words that the driving force is proving that an individual can make a difference. There's quite a number of them that I can't imagine making such a statement.

No, but I think in their heart they believe it. If you didn't believe that, you wouldn't be an entrepreneur. What entrepreneurship is about is looking at the world and saying, "I think things could be different and better, and I think I could assemble the resources necessary to make that happen."

Implicitly what you're saying is you don't always have to be on the receiving end, simply consuming what others have created, or dealt out; but rather you can change the way people work, change the way people play, and change the way people think. If you don't have that passion, you're probably not in it for the right reasons.

So raw greed, the traditional motive, doesn't count from your standpoint?

For the most successful entrepreneurs I know—obvious people like Bill Gates or Mitch Kapor and others—money is at best secondary in what it is that they do. The old expression goes that money is merely a way to keep score in the game.

I don't think that they did what they did because greed was the motivation. I think they did what they did because they believe in creating great product, and they understand the charge you get out of seeing somebody's life improve through your hard work.

So what have you learned from the GO experience?

I've learned a lot of things. I've learned to perhaps be a little more cautious. I'm also a little bit older.

I've learned a lot about the way the industry works, the economics and dynamics of the industry, which is a lot of what the book's about, implicitly.

I've learned not to mistake a lot of noise and smoke for real markets. I think we created so much noise that everybody thought there was a market there, when in fact it proved not to exist in any large quantities at that time. We were too early, and that's a very common problem for startups. But it would seem like a reasonable thing to do at the time.

It was a wonderful experience. I don't regret it for a minute. It was so wonderful I felt it was worth capturing for posterity by writing a book about it.

I also wanted the world to see what it's like to be in the middle of a startup. Because I think that it's not well understood—the excitement, the personal commitment, and the challenges that one faces.

One of the things the book does extremely well is document the human cost of the Silicon Valley startup culture—from relationships going kablooey, to people turning into werewolves from stress, to having a few hundred people lose their jobs because the grand vision didn't pan out and the VCs pulled the plug. It is a multi-box-of-Kleenex book in that sense.

[Kaplan cracks up] Hopefully it's also entertaining!

Well, it is. But there's a part at the beginning where you're talking to your father about business, and you say that you could never have started this company forty years ago because the culture has changed, and it's no longer a matter of putting yourself on the line when you start a company; it's a matter of trying it and if it works, great, and if it doesn't, oops.

I'm not convinced this is completely benign.

Well, it isn't completely benign.

The startup is a unique institution, and a different one. It's designed to accelerate the pace at which business evolves and mutates into ever more efficient and effective forms.

To accomplish that it is necessary, I think, to create a separation between the concepts of personal fortunes and corporate fortunes. The companies die, but they don't take the people out back and shoot 'em—the ideas live on, and the lessons live on through the know-how of those people as they move from one institution to another. That's a unique and, I think, extremely valuable form of cultural good.

I think we're very lucky to have developed the startup, and to be at a place in time when those types of bets and experiments can get made at a limited, though nonzero, human cost.

What pitfalls would you advise the earnest young startup to avoid?

Oh, there's so many.

The first is, don't listen to me. *[laughs]* Make your own life.

I think you have to believe in what you're doing, but I think there are a number of mistaken ideas that many young starting entrepreneurs have.

There's such a thing as believing in your vision too much.

Yes, and that's one of the dangers. The main thing you have to be is realistic, both about your own capabilities and about the true potential of what you're trying to do. It may be a great idea, but most of the companies die because they fail to address some supporting element around that idea, just to get enough focus to make it happen.

Pen computing is a great example of that.

By Mary Eisenhart

Photos Anne Knudsen

ENVISION®
MULTIMEDIA COMPUTER CENTERS

NEW LOWER PRICES:

Pentiums from $899!
120MHz & 133MHz AVAILABLE!

Stuck in the computer slow lane? Then try Envision's Pentiums on for size! Envision has value priced Pentiums to fit your budget from only $929. At up to 350% faster than a 486, they fly. At these prices, they'll leave our showrooms even faster!

Award Winning ATI 64-bit Accelerators

All Envision Pentium systems (except Pentius) incorporate award winning 64-bit graphics accelerators from ATI for maximum graphics power. The mach64, winner of PC Magazine's Editor's Choice, offers unmatched video performance plus motion video acceleration to make your graphics fly!

Hi-Speed Serial & Parallel Ports Standard

Hi-speed 16550 serial ports and enhanced bi-directional ports are now standard on Envision Pentiums giving your computer support for today's latest and fastest modems and other communications devices.

- ***Guaranteed Bug-Free Pentiums!***
- ***Enhanced IDE Hard Disks***
- ***Ready for Windows 95***

ENVISION GIVES YOU MORE POWER!
Envision Tritons are faster than the competitions!

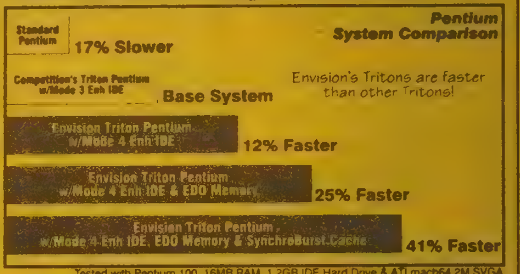
Envision was first to offer you the power of Intel's new Triton chipset in our Triton PowerStation systems. Now, Envision will take you to a whole new dimension in power with EDO memory and SynchroBurst synchronous pipeline burst cache technology. You'll get up to 40% more power than standard Triton systems and up to 70% more power than standard Pentiums.

Intel Triton Power

With Intel's revolutionary Triton chipset, you get 20%-70% more speed than standard Pentium chipsets giving you added performance from the very same Pentium processor thanks to a more integrated design, built-in PCI bus-mastering IDE, support for Mode 4 Enh IDE hard drives, support for new higher-bandwith EDO memory and SynchroBurst Cache. And because only Envision utilizes all the Triton's features, our Triton Systems are faster than the competition's Triton systems (see chart).

New SynchroBurst Cache Architecture

Over the past few years, CPUs have dramatically increased in speed and performance. Unfortunately, memory technology has stood still over those years creating bottlenecks and slowing overall performance of computers. All that will change with Envision's new SyncBurst cache architecture which provides a synchronous data channel allowing twice as much data to flow from CPU to memory alleviating bottlenecks while letting your computer operate at peak performance. SychroBurst is available as an option on all Triton PowerStations.



Tested with Pentium 100, 16MB RAM, 1.2GB IDE Hard Drive & ATI mach64 2M SVGA

EDO (Extended Data Output) Memory

Get more performance with EDO memory which provides double the bandwith between your CPU & memory (100MB/s vs. 200MB/s) giving you up to another 11% more performance. EDO is available on all Triton Systems as an upgrade option.

Bus Mastering Mode 4 Enhanced IDE

With Triton, you get Mode 4 Enh IDE hard drives with even faster hard drive data transfer rates of 16.67MB/s. Combine that with the new built-in bus-mastering PCI IDE interface, which takes the load of handling hard drive data transfer operations off the CPU, and you get performance that's up to twice as fast Mode 3 hard drives and five times faster than standard IDE hard drives.

Pentium ValueStations

Affordable Pentium Power from $899! or $33 per month

Pentius

PENTIUM · 4MB RAM · 540MB EIDE HD

FINANCE $33* per month

$899 Pentium 75	· Intel **Pentium-75/90/100 MHz**
	· **4 PCI** Local Bus Slots & **4 ISA** Slots
	· **4MB** Fast RAM, expandable to **128MB**
$969 Pentium 90	· **256K Write-back static** Cache
	· **540MB** Enhanced IDE Hard Drive (850MB-$50)
	· **3.5" 1.44MB** High Density Floppy Drive
$1,069 Pentium 100	· Integrated **PCI Enhanced IDE** HD Controller

- Intel **Pentium-75/90/100 MHz**
- **4 PCI** Local Bus Slots & **4 ISA** Slots
- **4MB** Fast RAM, expandable to **128MB**
- **256K Write-back static** Cache
- **540MB** Enhanced IDE Hard Drive (850MB-$50)
- **3.5" 1.44MB** High Density Floppy Drive
- Integrated **PCI Enhanced IDE** HD Controller
- **32-bit PCI Super VGA** Graphics Accelerator
- 2 **Serial/1 Parallel Ports**
- **Deluxe Medium Tower** Case/**230W** PS
- Enhanced **101-key** Keyboard & **Hi-Res** Mouse
- **MONITOR SOLD SEPERATELY**

MULTIMEDIA SYSTEMS	75	90	100
2X **EXPLORER 2X** 2X CD ROM · SOUND BLASTER 16	1099	1169	1269
4X **ADVENTURER 4X** 4X CD ROM · SOUND BLASTER 16	1149	1219	1319

Maximus

8MB RAM · 540MB EIDE HD · 15" MONITOR

FINANCE $49* per month

$1,349 Pentium 75
$1,419 Pentium 90
$1,519 Pentium 100

- Intel **Pentium-75/90/100 MHz**
- **4 PCI** Local Bus Slots & **4 ISA** Slots
- **8MB** Fast RAM, expandable to **128MB**
- **256K Write-back static** Cache
- **540MB** Enhanced IDE Hard Drive (850MB-$50)
- **3.5" 1.44MB** High Density Floppy Drive
- Integrated **PCI Enhanced IDE** HD Controller
- **64-bit PCI ATI mach64 SVGA** Accelerator or
- **15"** Flat SVGA Non-Interlaced Monitor (0.28)
- 2 **Hi-Speed 16550 UART Serial Ports**
- **ECP/EPP Enhanced Parallel** Port
- **Deluxe Medium Tower** Case/**230W** PS
- Enhanced **101-key** Keyboard & **Hi-Res** Mouse

MULTIMEDIA SYSTEMS	75	90	100
2X **EXPLORER 2X** 2X CD-ROM · SOUND BLASTER 16	1549	1619	1719
4X **ADVENTURER 4X** 4X CD-ROM · SOUND BLASTER 16	1599	1669	1769

Colossus

16MB RAM · 1.28GB EIDE HD · 15" MONITOR

FINANCE $66* per month

$1,749 Pentium 75
$1,819 Pentium 90
$1,919 Pentium 100

- Intel **Pentium-75/90/100 MHz**
- **4 PCI** Local Bus Slots & **4 ISA** Slots
- **16MB** Fast RAM, expandable to **128MB**
- **256K Write-back static** Cache
- **1.08B** Enhanced IDE Hard Drive (1.28GB-$50)
- **3.5" 1.44MB** High Density Floppy Drive
- Integrated **PCI Enhanced IDE** HD Controller
- **64-bit PCI ATI mach64 SVGA** Accelerator/2M
- **15"** Flat SVGA Non-Interlaced Monitor (0.28)
- 2 **Hi-Speed 16550 UART Serial Ports**
- **ECP/EPP Enhanced Parallel** Port
- **Deluxe Medium Tower** Case/**230W** PS
- Enhanced **101-key** Keyboard & **Hi-Res** Mouse

MULTIMEDIA SYSTEMS	75	90	100
2X **EXPLORER 2X** 2X CD-ROM · SOUND BLASTER 16	1949	2019	2119
4X **ADVENTURER 4X** 4X CD-ROM · SOUND BLASTER 16	1999	2069	2169

Pentium Triton PowerStations

Featuring Triton Technology from $1,429! or $53 per month

Triton Warrior

8MB RAM · 850MB EIDE-4 HD · 15" MONITOR

FINANCE $53* per month

$1,429 Pentium 75
$1,499 Pentium 90
$1,599 Pentium 100
$1,899 Pentium 120

- Intel **Pentium-75/90/100/120 MHz**
- Intel **Triton Chipset (Up to 70% Faster)**
- **Plug'n Play Flash BIOS** (Ready for Windows 95)
- **3 PCI** Local Bus Slots & **4 ISA** Slots
- **8MB** Fast RAM, expandable to **128MB**
- UPGRADE TO EDO MEMORY - ADD $100
- **256K Write-back static** Cache
- UPGRADE TO SYNCHRO-BURST CACHE - ADD $150
- **850MB Mode 4 Enh IDE** Hard Drive 10ms
- **3.5" 1.44MB** High Density Floppy Drive
- Bus Mastering **PCI Mode 4 Enh IDE** Controller
- **64-bit PCI ATI mach64 SVGA** Accelerator **OR** Diamond Stealth 64 Video SVGA Accelerator
- **15"** Flat SVGA Non-Interlaced Monitor (0.28)
- 2 **Hi-Speed 16550 UART Serial Ports**
- **ECP/EPP Enhanced Parallel** Port
- **Deluxe Medium Tower** Case/**230W** PS
- Enhanced **101-key** Keyboard & **Hi-Res** Mouse

MULTIMEDIA SYSTEMS	75	90	100	120
2X **EXPLORER 2X** 2X CD SOUND BLASTER 16	1629	1699	1799	2099
4X **ADVENTURER 4X** 4X CD SOUND BLASTER 16	1679	1749	1849	2149
4.4 **EMPEROR 4.4X-SCSI** TOSHIBA 4.4X SCSI-2 CD-ROM SOUND BLASTER 16 SCSI 2	1879	1949	2049	2349

Triton Gladiator

16MB RAM · 1.28GB EIDE-4 HD · 17" MONITOR

FINANCE $83* per month

$2,199 Pentium 90
$2,299 Pentium 100
$2,599 Pentium 120
$2,999 Pentium 133

- Intel **Pentium-90/100/120/133 MHz**
- Intel **Triton Chipset (Up to 70% Faster)**
- **Plug'n Play Flash BIOS** (Ready for Windows 95)
- **3 PCI** Local Bus Slots & **4 ISA** Slots
- **16MB** Fast RAM, expandable to **128MB**
- UPGRADE TO EDO MEMORY - ADD $200
- **256K Write-back static** Cache
- UPGRADE TO SYNCHRO-BURST CACHE - ADD $150
- **1.28GB Mode 4 Enh IDE** Hard Drive 10ms
- **3.5" 1.44MB** High Density Floppy Drive
- Bus Mastering **PCI Mode 4 Enh IDE** Controller
- **64-bit PCI ATI mach64 SVGA** Accelerator **OR** Diamond Stealth 64 Video SVGA Accelerator
- **Mag DX17F 17"** Flat SVGA NI Monitor (0.26)
- 2 **Hi-Speed 16550 UART Serial Ports**
- **ECP/EPP Enhanced Parallel** Port
- **Deluxe Medium Tower** Case/**230W** PS
- Enhanced **101-key** Keyboard & **Hi-Res** Mouse

MULTIMEDIA SYSTEMS	90	100	120	133
2X **EXPLORER 2X** 2X CD SOUND BLASTER 16	2399	2499	2799	3199
4X **ADVENTURER 4X** 4X CD SOUND BLASTER 16	2449	2549	2849	3249
4.4 **EMPEROR 4.4X-SCSI** TOSHIBA 4.4X SCSI-2 CD-ROM SOUND BLASTER 16 SCSI 2	2649	2749	3049	3449

Triton Terminator

16MB · 2.1GB WIDE SCSI-3 HD · 17" MONITOR

FINANCE $116*

$3,099 Pentium 90
$3,199 Pentium 100
$3,499 Pentium 120
$3,899 Pentium 133

- Intel **Pentium-90/100/120/133 MHz**
- Intel **Triton Chipset (Up to 70% Faster)**
- **Plug'n Play Flash BIOS** (Ready for Windows 95)
- **3 PCI** Local Bus Slots & **4 ISA** Slots
- **16MB** Fast RAM, expandable to **128MB**
- UPGRADE TO EDO MEMORY - ADD $200
- **256K Write-back static** Cache
- UPGRADE TO SYNCHRO-BURST CACHE - ADD $150
- **2.1GB Wide SCSI-3** Hard Drive 9ms (4.2GB-$700)
- **3.5" 1.44MB** High Density Floppy Drive
- Bus Mastering **PCI Wide SCSI-3** Controller (20MB/s)
- **64-bit PCI ATI mach64 SVGA** Accelerator **OR** Diamond Stealth 64 Video SVGA Accelerator
- **Mag DX17F 17"** Flat SVGA NI Monitor (0.26)
- 2 **Hi-Speed 16550 UART Serial Ports**
- **ECP/EPP Enhanced Parallel** Port
- **Deluxe Medium Tower** Case/**230W** PS
- Enhanced **101-key** Keyboard & **Hi-Res** Mouse

MULTIMEDIA SYSTEMS	90	100	120	133
2X **EXPLORER 2X** 2X CD SOUND BLASTER 16	3299	3399	3699	4099
4X **ADVENTURER 4X** 4X CD SOUND BLASTER 16	3349	3449	3749	4149
4.4 **EMPEROR 4.4X-SCSI** TOSHIBA 4.4X SCSI-2 CD-ROM SOUND BLASTER 16 SCSI 2	3549	3649	3949	4349

PENTIUMS FROM $899!

PAY NO INTEREST 'TIL DEC 1995

486 Workstations

Complete 486 VLB Systems from $828 or $30/mo!

486 VLB Station

4MB RAM · 560MB EIDE HD · 14" MONITOR

FINANCE **$29***

$828 486DX2-66

$848 486DX2-80

$868 486DX4-100

486DX2-66/**DX2-80/DX4-100 MHz**
- **3 32-bit VLB** Local Bus Slots & **4 ISA** Slots
- **4MB** Fast RAM, expandable to **64MB**
- **256K Write-back static** Cache
- **560MB** Enhanced IDE Hard Drive (850MB-$75)
- **3.5" 1.44MB** High Density Floppy Drive
- VLB **Enhanced IDE-I/O** HD Controller
- **32-bit VLB Super VGA** Graphics Accelerator/1M
- **14" Full Screen SVGA** Monitor (0.28/1024x768)
- 2 **Serial/1 Parallel/1 Game Ports**
- **Mini Tower** Case/**230W** PS
- Enhanced **101-key** Keyboard
- **Hi-Resolution Serial** Mouse

MULTIMEDIA SYSTEMS		66	80	100
2X	EXPLORER 2X 2X CD-ROM SOUND BLASTER 16	1028	1048	1068
4X	ADVENTURER 4X 4X CD-ROM · SOUND BLASTER 16	1078	1098	1118
4.4X	EMPEROR 4.4X-SCSI TOSHIBA 4.4X SCSI-2 CD-ROM SOUND BLASTER 16 SCSI-2	1278	1298	1318

486 ValueStation

8MB RAM · 560MB EIDE HD · 14" MONITOR

FINANCE **$37*** per month

$998 486DX2-66

$1,018 486DX2-80

$1,038 486DX4-100

486DX2-66/**DX2-80/DX4-100 MHz**
- **3 32-bit VLB** Local Bus Slots & **4 ISA** Slots
- **8MB** Fast RAM, expandable to **64MB**
- **256K Write-back static** Cache
- **560MB** Enhanced IDE Hard Drive (850MB-$75)
- **3.5" 1.44MB** High Density Floppy Drive
- VLB **Enhanced IDE-I/O** HD Controller
- **32-bit VLB Super VGA** Graphics Accelerator/1M
- **14" Super VGA** Monitor (0.28/1024x768)
- 2 **Serial/1 Parallel/1 Game Ports**
- **Deluxe Medium Tower** Case/230W PS
- Enhanced **101-key** Keyboard
- **Hi-Resolution Serial** Mouse

MULTIMEDIA SYSTEMS		66	80	100
2X	EXPLORER 2X 2X CD-ROM · SOUND BLASTER 16	1198	1218	1238
4X	ADVENTURER 4X* 4X CD-ROM · SOUND BLASTER 16	1248	1268	1288
4.4X	EMPEROR 4.4X-SCSI TOSHIBA 4.4X SCSI-2 CD-ROM SOUND BLASTER 16 SCSI-2	1448	1468	1488

486 PowerStation

8MB · 64-BIT SVGA · 850MB EIDE HD · 15" MONITOR

FINANCE as low as **$45*** per month

$1,198 486DX2-66

$1,218 486DX2-80

$1,238 486DX4-100

486DX2-66/**DX2-80/DX4-100 MHz**
- **3 32-bit VLB** Local Bus Slots & **4 ISA** Slots
- **8MB** Fast RAM, expandable to **64MB**
- **256K Write-back static** Cache
- **850MB** Enhanced IDE Hard Drive (1.08GB-$125)
- **3.5" 1.44MB** High Density Floppy Drive
- VLB **Enhanced IDE-I/O** HD Controller
- **64-bit VLB Diamond Stealth 64 SVGA** Accelerator
- **15" Flat Super VGA** Monitor (0.28/1280x1024)
- 2 **Serial/1 Parallel/1 Game Ports**
- **Deluxe Medium Tower** Case/230W PS
- Enhanced **101-key** Keyboard
- **Hi-Resolution Serial** Mouse

MULTIMEDIA SYSTEMS		66	80	100
2X	EXPLORER 2X 2X CD-ROM · SOUND BLASTER 16	1398	1418	1438
4X	ADVENTURER 4X 4X CD-ROM · SOUND BLASTER 16	1448	1468	1488
4.4X	EMPEROR 4.4X-SCSI TOSHIBA 4.4X SCSI-2 CD-ROM SOUND BLASTER 16 SCSI-2	1648	1668	1688

WE'RE HERE TO SERVE YOU!

Envision also has some of the best service and support. At Envision, we feel that it the most important factor in choosing a computer is not the price or performance, but the place you buy it from. That's why our staff is dedicated to giving you the best service and support possible.

2 YEAR LABOR/1 YEAR PARTS FACTORY WARRANTY

*All Envision Systems are backed with Envision's exclusive **2 years labor** and **1 year parts warranty** for piece of mind.*

GE Service Protection Plus Extended 4 Year Service Plans

*And for added piece of mind, you can add a **4 year on-site extended service plan** from **General Electric** - the nation's leader in service and suport.*

CUSTOMIZED CONFIGURATIONS

Envision has many different models to choose from but if you don't see the configuration that best suits your need, we would be happy to custom configure your system the way you want. Just ask your friendly Envision sales representative for more details.

96 HOUR BURN-IN TESTING

*All Envision Systems are run through Envision's comprehensive **96-hour burn-in** testing to ensure system integrity & reliability.*

FINANCING OPTIONS

You can buy a new Envision computer by cash, check, VISA, MasterCard, American Express or Discover. Envision also has many different financing plans to fit your budget. Choose from 12 to 48 month payment plans.

120 DAYS SAME AS CASH!

PAY NO INTEREST FOR UP TO 120 DAYS

*You can now take advantage of our 120 days same as cash plan which now gives you up to **120 days** to pay for your computer **without paying interest!***

A FRIENDLY & KNOWLEDGABLE STAFF TO HELP YOU

9+ YEARS IN THE INDUSTRY

UPGRADES AND OPTIONS

Additional 5.25" 1.2MB Floppy Drive	45	2X IDE CD-ROM	89	Sound Blaster 16 Sound Card	69
Additional 3.5" 1.44MB Floppy Drive	35	4X IDE CD-ROM	165	Ethernet 16-bit Network Adapter	35
14.4 Fax Modem	59	Conner 250MB Tape Backup	135	DOS 6.22/Windows for Workgroups	99
14.4 Fax Modem w/Voice Mail	69	Conner 420MB Tape Backup	159	Windows 95 (Available 8/24)	99
28.8/14.4 Fax Modem Internal v.34	149	Colorado 250MB Tape Backup	135	Epson Stylus 720dpi Color Printer	529
Hayes Int 28.8 Fax Modem v.34	179	Colorado 350MB Tape Backup	149	Hewlett Packard Deskjet 540 Printer	279
US Robotics 14.4 Int Fax Modem	79	Colorado 700MB Tape Backup	179	Hewlett Packard Deskjet 540 Color Kit	45
US Robotics 28.8 Int Fax Modem v.34	225	Colorado T1000 800MB Tape Backup	199	Hewlett Packard Deskjet 560C Printer	469

CALL FOR OTHER OPTIONS AND UPGRADES NOT LISTED

MULTIMEDIA OPTIONS

EXPLORER 2X

Double Speed CD-ROM
Sound Blaster 16 Sound Card
20 Titles & Speakers

$199.97

ADVENTURER 4X

Quad Speed CD-ROM
Sound Blaster 16 Sound Card
20 Titles & Speakers

$249.97

EMPEROR 4.4X SCSI

Toshiba 4.4X Speed CD (150ms)
Sound Blaster 16 SCSI Sound Card
20 Titles & Speakers

$449.97

CHALLENGE 6X SCSI

Plextor Six Speed CD (145ms)
Sound Blaster 16 SCSI Sound Card
20 Titles & Speakers

$679.97

ENVISION 20 TITLE BUNDLE

Includes Grolier's 1995 Encyclopedia, World Atlas, Webster's Dictionary, Webster's Thesaurus, Guide to Concise Writing, Library Desk Reference, Dictionary of 20th Century History, Dictionary of Quotations, Legal & Corporation Forms, The National Directory, Chessmaster 2100, Mario is Missing, Mario's Time Machine plus 7 other exciting titles

MICROSOFT HOME BUNDLE

Upgrade from 20 Title Bundle for $35 or add for $59

Microsoft Encarta 1995
Microsoft Works 3.0 & Money 3.0
Microsoft CD Sampler
8 Microsoft Games

FamilyPC

Designed with your family in mind

*FamilyPC... it's a whole new type of computer. That's because it's not just a computer, it's also a fax machine, modem, answering machine, CD stereo system, cable-ready TV, video game player & multimedia computer all in one complete unit. It also includes loads of useful software for the whole family like **Microsoft Works** which includes a **spreadsheet, word processor & database** so that Dad can bring home work from the office. Mom can manage the family finances with **Microsoft Money**. Son can research the world with the 21 Volume **Grolier's 1995 Encyclopedia**. Daughter can find the latest news for her report with **America Online**. Imagine doing so much from one place! It's FamilyPC... designed with your family in mind.*

It's a CD Stereo System

You can select you favorite music CD to keep you relaxed while you type away. And with a built-in mixer, you can adjust the volume or balance.

It's an Answering Machine

The FamilyPC can answer your phone with the built-in voice mail system. It can direct messages to up to 999 mailboxes or page even you.

It's a Fax Machine & Modem

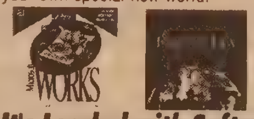
INTERNET 14.4 INFORMATION SUPERHIGHWAY READY

Receive or send faxes anywhere in the world with the built-in fax. Or call your favorite online service to see the latest news, shop at thousands of stores, or check your bank account balance with the built-in modem. You can even hook into Internet, that "information superhighway" you've been hearing so much about.

It's a Multimedia Computer

MPC Multimedia PC

At the heart of every FamilyPC is a full multimedia compter system ready to access the more than 5000 multimedia CD-ROM titles now on the market from 29 volume full encyclopedias to interactive stories that read to kids to educational programs that can teach you kids subjects like history or calculus or access great works of literature to exciting games that let you conquer the world or build your own special new world.



AMERICA Online

It's Loaded with Software

It comes with lots of software like Microsoft DOS, Microsoft Windows, Microsoft Works, Microsoft Money, Grolier's 1995 29 Volume Encyclopedia, Webster's Dictionary, Webster's Thesaurus, Hammond's Atlas, World Almanac, America Online, and over 20 more exciting titles including exciting action-packed games and informative reference titles.

SPECIFICATIONS

- **486DX2, 486DX4 or Pentium** CPUs
- **8MB** Memory, ex to 64MB
- **3.5" 1.44MB** Floppy Drive
- **540MB** Hard Drive, upgradable to 1,275MB
- **14"** Super VGA Non-Interlaced Monitor (0.28)
- Enhanced **101-key** Keyboard
- High-Resolution Serial **Mouse**
- **Double** Speed **CD-ROM Drive (4X-only $80 more)**
- **Sound Blaster 16** Sound Card **& Speakers**
- 14,400bps v.32bis Fax & Modem
- Voice Mail Phone Messaging System
- Optional TV Tuner available ($179 extra)

LOADS OF SOFTWARE INCLUDED

- Microsoft DOS 6.22
- Microsoft Windows 3.11
- Microsoft Works 3.0
- Microsoft Money 3.0 (family finance manager)
- 21 Volume 1995 Grolier's Encyclopedia
- America Online & over 20 more exciting titles!

5 Models to Choose From

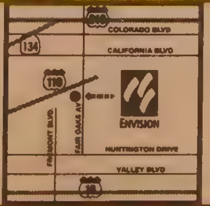
486DX2-66	$1,329
486DX2-80	$1,349
486DX4-100	$1,369
Pentium 75	$1,679
Pentium 90	$1,779

OR FINANCE FROM $49/MO

ENVISION®

MULTIMEDIA COMPUTER CENTERS

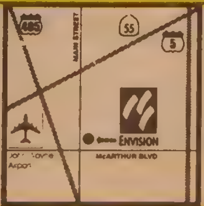
VISA MasterCard



SOUTH PASADENA

818.403.9388

Fax: 403.9380 Tech Support: 403.9389
Internet/e-mail: sales@env.com
711G Fair Oaks Ave.
off 110 Fwy - Fair Oaks Av. south
Hours: Mon-Sat 10:30A-7P



IRVINE

714.833.3995

Fax: 833.3996
Internet/e-mail: sales@env.com
18011 Skypark Circle 5801D
off 405 Fwy - MacArthur east
Hours: Mon-Sat 10:30A-7P

The Fine Print Prices are based on C.O.D. Cash and reflect cash discount. Prices are good with this ad only. *Financing figures are estimated and are based on 36 months. Final financing figures may be different and financing is on approved credit. Prices, configurations and availability are subject to change without notice. All sales are final. Warranties are carry-in only and do not include on-site service. Not responsible for typo errors

There was a whole series of things that had to happen around it in order to make it possible, and some of them simply didn't occur. And if you're not there watching and listening and being realistic, you're doomed.

Because startups exist in the ultimate reality. There's no way to live in a fantasy world when you're living in a startup.

Do you think the current pen platforms, Newton and Magic Cap, will survive?

I hope they do. Of course I have no stake and no special insight. I think both of those groups have done an excellent job of articulating and realizing a particular vision of the potential of mobile pen computing. Both of them face significant challenges in their respective environments.

I hope they can survive long enough to reap the fruits of all the hard work of not only their own teams, but some of the earlier people who were not able to hold out that long.

It seems like General Magic-type startups need a lot more alliances and supporting infrastructure than something like Lotus would have required fifteen years ago.

Yes. It's a much more mature industry, and one that requires larger amounts of investment today, in many of these things. But I think that the characteristics of the early PC market are just now being recreated in terms of businesses based around the Internet. While that may not last long—it may only have a two- or three-year honeymoon—at the moment there is once again that unbridled sense of opportunity, low entry cost, and fertile ground for new ideas.

Is there a reality-distortion field quality about working on a product that's several years, at best, from realization, while at the same time incredible amounts of money are pouring in to finance it? I can see where the sense of obligation would become crushing.

It wasn't crushing for one simple reason. Everybody involved sincerely believed in what we were doing.

But as you've said, belief isn't necessarily enough.

No, no. But we just didn't know. For many years, we always thought that the next version of the product had a good opportunity to make it in the market. And as I said in the book, in the end we had ample financing opportunities, and yet really what occurred was more a failure of will, because the management team, after so many turns of the crank—

There's a feeling of disintegration toward the end.

Which I was trying to capture. Because what really happened, despite all of the surface activities, was that the management team began to lose faith that in fact we were close to finding a real market for the product. That faith is what sustains the organization through difficult times, and allows it to float across the chasm, as it were.

It was the loss of that faith, through the desire of the management team to know the truth and to be telling the truth, that I think in some sense was critical to the collapse of the whole enterprise.

At the time we were working very hard. It was very exciting; it was hard work but exhilarating, probably like climbing a mountain.

But we hardly felt pressure of a sort that you describe. We thought that the market was just around the corner, throughout most of the life of the enterprise.

So you didn't get sleepless nights from the sense of investors breathing down your neck?

No. I have nothing but kind words for the investors. We were lucky beyond any right to have the patience and the support of investors like John Doerr and Vinod Khosla [of VC firm Kleiner Perkins Caufield & Byers]. They stuck with it, and were supportive throughout the entire process—not just the Kleiner Perkins folks, a lot of the others as well. Were it not for that we would have been dead many, many years earlier, and we would have made even more terrible mistakes than we did.

And I hope you'll include that in the article!

There's no sense of Vulture Capital in the book.

No, it's really not the case.

Now, they're in business to make money. Venture capitalists often have it in their interest to increase the risk-return profile in a venture, while for the people inside, it may be in their interest to reduce the risk-return profile. But my experience with our investors was that they were as passionate and as committed as anybody else involved in the project, if not more so. They were tireless cheerleaders throughout the process, and are the antithesis of every negative stereotype one can think of about financiers.

What should somebody with a gleam in their eye and no money look for in a VC?

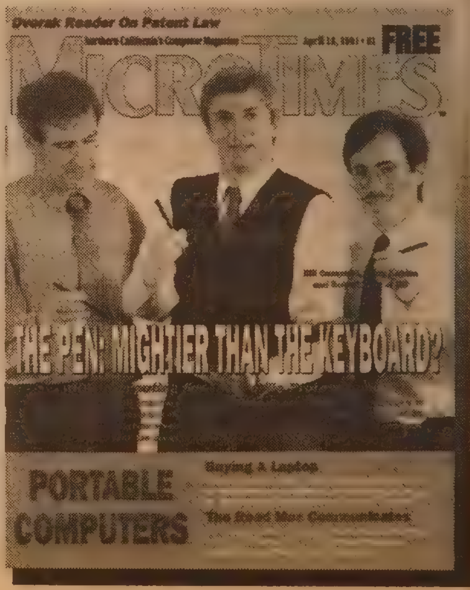
Well, the first thing to look for in a VC is money. *[laughs]* That may sound funny, but they do run out of funds, or sometimes they're between funds.

But I do have one very important piece of advice for people. People who think they're raising money from VCs may relate it to the experience of, say, getting a loan at the bank, or getting a mortgage. Nothing could be further from the truth.

Your backers are your partners. You should choose them as carefully as you would choose a spouse. If you don't like them, or your values are not the same, you are guaranteed to have a messy divorce, if not fail.

It's important that you view it in that way, and that you interview them and research their particular style and their approach, and under-

GO in its heyday: Bill Campbell (now at Intuit), Kaplan, and Robert Carr (now at Autodesk).
Photo: Susana Millman


Dvorak Reader On Patent Law
FREE
MICROTIMES
THE PEN: MIGHTIER THAN THE KEYBOARD?
PORTABLE COMPUTERS
Buying A Laptop

SHARP

486DX2 66MHz 10.4" DUAL-SCAN COLOR NOTEBOOK

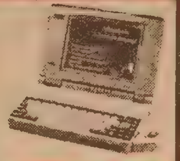
- 4MB RAM
- 1.44 Floppy Disk Drive
- 320MB Hard Disk
- Local Bus
- Infrared
- Glidepoint
- PCMCIA

$1795

PC-3010
#2037057

MORE COMPUTER BUYS FROM FRY'S!

TOSHIBA T2100 486DX2-50MHz



4MB/260MB NOTEBOOK

- 486DX2-50MHz Processor
- 4MB RAM
- AccuPoint integrated pointing device
- Full size keyboard
- 9.5" STN Mono LCD display
- Supports two Type I-II, or one Type III PCMCIA Card
- 6.6lbs.

$1299

#2007047

EPSON

ActionNote 660C 486DX2-66MHz

4MB/340MB DUAL SCAN COLOR NOTEBOOK

- 486DX2-66MHz CPU
- 340MB Hard Drive
- 6MB RAM
- 1.44 Floppy Drive
- PCMCIA
- DSTN Color
- Trackball
- DOS/Windows™

$1995

#2025731

COMPAQ

486SX-33MHz CONTURA AERO 4/33C-170 170MB COLOR SUPER LIGHT NOTEBOOK

486SX-33MHz CPU • 170MB Hard Drive • Passive Color 4MB RAM Expandable To 12MB • EasyPoint Trackball
- 76-Key Keyboard • Integrated Speaker • MS-DOS 6
- Microsoft Windows
- WinLink Transfer Utility With Cable
- Lotus Organizer • TabWorks
- Online Documentation

Model Does Not Include An Integrated 3.5" 1.44MB Floppy Drive

$999

#1902565

AST COMPUTER

Ascentia 810N 486DX2-80MHz

DUAL-SCAN COLOR NOTEBOOK

- 486DX2-80MHz CPU
- 4MB RAM
- 510MB Hard Drive
- MS DOS
- MS Windows

$2295

#2051585

EPSON

ActionNote 800C 486DX2-80MHz

8MB/340MB DUAL SCAN COLOR NOTEBOOK

486DX2/80 Processor • 10.3" Dual Scan Color Screen • 8MB RAM Expandable to 24MB • 32-Bit Local Bus Video • 1 44MB Floppy Drive • 340MB Hard Drive • Built-In Sound Card Internal 14.4 BPS Data/Fax Modem • Built-In Trackpad PCMCIA Preloaded Software MS DOS MS Windows • Borland Sidekick ClarisWorks for Windows

$2795

#2002846

COMPAQ

CONTURA 410C 486DX-2/50 DUAL SCAN COLOR

- 4MB RAM
- 1.44MB Floppy
- 250MB Hard Drive
- DSTN 9.5" Color
- PCMCIA
- 3 year Worldwide Warranty

$1995

#2050403

486DX2 66MHz

8MB/340MB DSTN COLOR NOTEBOOK

- 486DX2-66MHz
- 8MB RAM
- 340MB Hard Drive
- Trackball
- DOS
- Windows™
- PCMCIA Type II

KIWI

$1899

#2053691

LINKSYS PCMCIA COMBO

Supports10Base 2 and 10 Base T and BNC COAX • 16K Buffer 128KB Flash Buffer

$177

#1936476

Canon

BJ-30 BUBBLE JET PRINTER

- Built-in 30 sheet Automatic Feeder
- 720 x 360 dpi on Plain Paper
- Versatile Paper Handling
- 20 TrueType™ Scalable Fonts
- 3.5 Pages per Minute
- Upgradable to Portable

$279

#2044172

Pocket Jet Portable PC Printer

- Lightest weight - only 1 lb. including battery
- Smallest size - fits in your pocket
- Direct thermal printing
- 300 x 300 dpi
- 3 pages per minute at 5% coverage
- HP LaserJet IIP (PCL4) emulation
- 7 HP internal fonts & downloadable fonts

PENTAX TECHNOLOGIES

$498

#1995152

TECHFOLIO I BLACK NOTEBOOK CARRYING CASE BY SOLIDEX

The TechFolio I offers the convenience of a regular business portfolio, but provides additional padded compartments for mobile phone, notebook computer and other electronic accessories.

$27.99

K-312
#1842670

TDK

14,400 BPS PCMCIA FAX/MODEM

- Type II

$169

#1954827

HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!®

Fry's ELECTRONICS

Prices Good Through August 15, 1995

Limit Rights Reserved. Not Responsible for Typographical Errors.

STORE HOURS

MONDAY - FRIDAY
8AM - 9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM

FOUNTAIN VALLEY
10800 Kalama River Ave.
(714) 378-4400
FAX(714) 378-4444

MANHATTAN BEACH
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
FAX(310) 364-3737

WOODLAND HILLS
6100 Canoga Ave.
(818) 227-1000
FAX (818) 227-1010
P.O.(818) 227-1025

DISCOVER NOVUS
VISA
MasterCard
ACCEPTED

486
VESA LOCAL BUS MOTHERBOARD

- 30-Pin Stardard SIMM Socket
- Zif Socket
- OK Cache Expandable to 256K
- UMC Chipset

$59.95

#1915893

486DX4 VLB MOTHERBOARD

- VLB 486DX4 Motherboard
- OK Cache
- 72/30 Pin Slots
- Chipset
- CPU Sold Seperately

$89.95

#2014575

PENTIUM 60MHz PCI MOTHERBOARD

- PCI Local Bus
- CPU Sold Separately

$69

#2010249

MINI TOWER COMPUTER CASE

$39.95

WITH POWER SUPPLY

#1742428

8MB/540MB COMPUTER WITH
PENTIUM® 60MHz PROCESSOR

intel inside pentium

- Pentium 60MHz Computer
- 8MB RAM
- 540MB Hard Drive
- SVGA Card
- 1.44MB Floppy Drive
- IDE/IO
- MS-DOS
- Mouse
- Keyboard
- Mini Tower Case

Monitor Sold Separately

$959

#2025502

540MB MULTIMEDIA PCI SYSTEM WITH
PENTIUM® 75MHz PROCESSOR

intel inside pentium

- Intel Pentium 75MHz CPU
- 8MB RAM
- 540MB Hard Drive
- PCI Local Bus SVGA
- Double-Speed CD-ROM
- MS-DOS
- 16-Bit Sound Card
- Speakers

Monitor Sold Separately

$1399

#2016588

QUAD-SPEED MULTIMEDIA COMPUTER WITH
PENTIUM® 100MHz PROCESSOR

intel inside pentium

- 8MB RAM
- One Gigabyte Hard Drive
- 14.4 Fax/Modem w/Voice Mail
- Quad-Speed CD-ROM
- DOS
- Windows
- CD Titles

Monitor Sold Separately

MiTAC

$1999

#1998878

Starion 900i

MINI TOWER SYSTEM WITH
PENTIUM 100MHz PROCESSOR.

Integrated Windows™ graphic accelerator with 1MB VRAM
- 14.4 Fax/Modem with answering machine and speakerphone
- 8MB RAM, expandable to 128MB
- 256KB L2 cache • 1.44 Floppy Drive
- 1GB hard drive • Quad-speed CD-ROM
- 16-bit stereo sound • Speakers
- Microphone • Keyboard • Mouse
- DOS • Windows™ for Workgroups
- Business software

digital

$2399

#2006770

BJ-200EX BUBBLE JET PRINTER

- Laser Quality Text and Graphics
- Fast Print Speed and Compact Design
- Quieter than a Laser
- 20 TrueType Fonts Included
- 720 x 360 dpi on Plain Paper
- Automatically Feeds 100 Sheets, 50 Transparencies or 15 Envelopes

Canon

$235.95

#1998052

BJC-600e
COLOR BUBBLE JET PRINTER

- Fast Color Printing 720 x 360 dpi
- Automatically Feeds 100 Sheets, 50 Transparencies or 15 Envelopes
- 20 TrueType Fonts Included!
- Lowest Operating Cost
- 15-Hour Toll Free Support
- Free 2-Year Instant Exchange Warranty

Canon

$469

#1975709

Your Best Software Buys are Always at...

Fry's ELECTRONICS

DATA STORAGE CORNER

MEMOREX COMPUTER SUPPLIES

3.5" DS/HD IBM FORMATTED DISKETTES

10 PACK

$4.99* *After $2 mail in rebate. In store cost $6 99

#1904268

MEMOREX COMPUTER SUPPLIES

3.5" DS/HD MAC FORMATTED DISKETTES

10 PACK

$4.99* *After $2 mail in rebate In store cost $6 99

#1904279

Non-Interlaced 15" SVGA MONITOR

- 1280 x 1024
- .28 dot pitch
- MTC-15

$279

#1983744

1024 X 768 16-BIT SUPER VGA CARD

- Super VGA 1024 X 768
- 256K Expandable To 512K RAM

$29.99

#1611564

Non-Interlaced 14" SUPER VGA MONITOR

- 1024 X 768
- .28mm dot pitch
- Non-interlaced
- One Year Warranty

$215

#1657506

SONY.

CSS-8100 COMPUTER SPEAKER SYSTEM AND MONITOR STAND

- Floating resonance box design enhances sound while supporting 14", 15" or 17" monitor
- Built in amplifiers (7W output)
- 70 Hz-25kHz frequency response
- RCA Jack Input and stereo mini jack output
- RCA AV inputs and outputs
- Magnetically shield design

$89.99

#2050849

101-Key AT Style KEYBOARD

Limit One per Customer
No Sales to Dealers
or Resellers.

$8.99

#2019709

Parana SUPPLIES CORPORATION

752 INK REFILL BLACK TWIN PACK

for HP 51626A cartridge HP DeskJet and DeskWriter series

$14.99

#1889015

SKYMASTER FLIGHT STICK

- IBM PC, XT, AT, 286, 386, 486 and P5 Compatible • 4 Fire Buttons
- New Developed High Precision Direction
- Control Mechanism
- X and Y Axis Fine Adjustment Control
- Throttle Control • WCS Compatible HAT, THROTTLE and OFF
- 3 Operating Mode: HAT, Throtle and OFF
- 6 Foot Screw Mountable Joystick Cable

QuickShot®

$29.99

#2047441

SPEEDSTAR PRO ISA 1024 X 768 24-BIT WINDOWS ACCELERATOR

- Cirrus 5428 graphics controller
- 1MB DRAM fixed
- Displays up to 256 colors at 1024 x 768 resolution and up to 16.7 million colors at 640 x 480
- Flicker-free refresh rates up to 72 Hz
- Excellent entry-level accelerator

$89.95

#1804083 **DIAMOND**

6-OUTLET BASIC SURGE PROTECTOR

- Clamping ResponseTime: <1 Nanosecond
- Energy Dissipation: 60 Joules

$3.99

#1619399

PC CONCEPTS

2-WAY AUTO DATA SWITCH

- Up to two users can share a printer
- Power-free operation
- Automatic and manual mode selectable
- Transparent to user
- Timeout selectable 5/10/20/40 seconds
- Compact size
- Easy to install

$8.99

#2001889

PROAGIO MOUSE

A Giant Leap In Windows Productivity

- 100% Windows compatible
- Pre-configured for today's most popular software
- 5-button, high-resolution (400 dpi)
- Roller-button simplifies Windows
- side-button for "clicking" between applications
- SmartScroll and PowerScroll eliminate the need for Windows tedious scroll bars

MOUSE SYSTEMS

$44.99

#2002112

Plustek

COLOR SCANNER

- 600 DPI
- Supports 16 million colors
- 2.5ms per line scanning
- OCR software included
- One year warranty

$289

#2007494

ANOTHER INNOVATIVE IDEA FROM INNOVATIVE CONCEPTS, INC.

FLIP'N'FILE DISK BOX

Stores 40 Diskettes or 5 Tape Cartridges!

$1.99

#1914526

White DeskJet Paper

DESKJET PRINTERS

- 24 LB
- 200 Sheets

$6.99

#1551989

MOUSE PAD

- Available in Red, Blue or Black
- 10" x 8.5"

99¢

#1892228

ANOTHER INNOVATIVE IDEA FROM INNOVATIVE CONCEPTS, INC.

FLIP'N'FILE CD SHELF

- Stores 36 CD-ROM or audio CDs
- Also stores data cartridges, video tapes, and diskette 10-packs
- Slotless design makes it easy to alphabetize and rearrange your disks
- Expandable and wall mountable
- Easy Assembly - snaps together in seconds

$5.99

#1913994

PC CONCEPTS

Split Style ERGONOMIC KEYBOARD

- AT Compatible • Din 5 Connector
- Includes FREE Custom WristPad!

$44.99

#1986390

NOTEPAC Notebook Carrying Case

- 14" x 11" x 2.5" (Interior Dimensions)
- 13" x 9" x 2" (Pocket Dimensions)
- Compatible with Powerbook and all popular Notebooks. Available In Assorted Colors.

TARGUS

$29.99

#1693283

Fry's ELECTRONICS

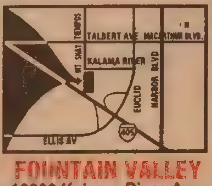
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!®

Prices Good Through August 15, 1995

Limit Rights Reserved. Not Responsible for Typographical Errors.

STORE HOURS

MONDAY - FRIDAY
8AM - 9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM



FOUNTAIN VALLEY
10800 Kalama River Ave.
(714) 378-4400
FAX(714) 378-4444

MANHATTAN BEACH
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
FAX(310) 364-3737

WOODLAND HILLS
6100 Canoga Ave.
(818) 227-1000
FAX (818) 227-1010

DISCOVER NOVUS
VISA
MasterCard
ACCEPTED

Authorized Reseller

Macintosh® Systems

Authorized Reseller

Apple® Macintosh® Performa® 630CD 8/250

68LC040 @ 66/33 MHz Processor • 8MB RAM Expandable to 36MB • 250MB Hard Drive • 32,768 Colors 7 SCSI Built-in • 14" Apple 28mm Non-Interlaced Display • AppleTalk® / LocalTalk® • Double-Speed Internal CD-ROM • 16 Bit CD Stereo • Internal Stereo Speakers • Headphone Jack • Global Village Fax / Modem
Free Software: Mac System 7.1P with Quicktime Player • Claris Works 2 Quicken 4 • At Ease • MacLink Plus Translators Pro • Click Art Performa Collection • MAC PC Exchange • New Grolier Multimedia Encyclopedia on CD • Time Almanac CD • 3D Atlas CD • Family Doctor CD • American Heritage Dictionary • Kid Works • Thinkin' Things • Writing Center Wacky Jacks CD Game Show • Spectre Challenger • Spin Doctor Challenge • Dole Five-A-Day Adventures CD • Cross Wizard

#1942729

$1399

Apple® Macintosh® Performa® 638CDV 8/350

68LC040 @ 66/33 MHz Processor • 8MB RAM Expandable to 36MB • 350MB Hard Drive • 32,768 Colors • 7 SCSI Built-in • 15" Apple .28mm Non-Interlaced Display • AppleTalk® / LocalTalk® • Double-Speed Internal CD-ROM • 16 Bit CD Stereo • Internal Stereo Speakers • Headphone Jack • FAX/Modem
Built-in Video/TV System
Free Software: Mac System 7.1P with Quicktime Player • Claris Works 2 Quicken 4 • At Ease • MacLink Plus Translators Pro • Click Art Performa Collection MAC PC Exchange • New Grolier Multimedia Encyclopedia on CD Time Almanac CD • 3D Atlas CD • Family Doctor CD • American Heritage Dictionary Kid Works • Thinkin' Things • Writing Center • Wacky Jacks CD Game Show • Spectre Challenger Spin Doctor • Challenge Dole Five-A-Day • Adventures CD Cross Wizard

#1942730

$1499

Apple® Macintosh® Performa® 640CD

NEW

68LC040 @ 66/33 MHz • 12MB RAM • 500MB Hard Drive • 15" Apple® Non-Interlaced Display • Double-Speed Internal CD-ROM • 14.4 FAX/Modem Apple® Keyboard and Mouse • 486DX DOS Compatibility Card w/ Sound Blaster™ 16 and PC Game Port • 6.22 DOS • Window™ 3.1
Software: American Heritage Dictionary • Quicken • MacLink Plus/Easy Open Translators • MacGallery Clip Art Treasure Pak Click Art Performa Collection At Ease • eWorld • Expresso • ZipZap CD-ROM Title : 1995 Grolier Multimedia Encyclopedia • 3D Atlas • Club KidSoft CD Sticker Shop Plus/Card Shop Plus •TIME Almanac CD-ROM titles included

#2053255

$2297

Apple® Macintosh® Performa® 6115CD 8/350

60MHz PowerPC™ 601 Processor • 8MB RAM Expandable to 72MB • 350MB Hard Drive • 15" Apple® Multiple Scan Display w/Built-In Speakers • AppleTalk® / LocalTalk® • Double-Speed Internal CD-ROM • Global Village 14,400 BPS Modem
Free Software: Mac System 7.5 • Claris Works 2 • Quicken 4 American Heritage Dictionary • Now Up To Date/Contact • Click Art Performa Collection Mac Gallery Clip Art Macintosh PC Exchange MacLink Plus Easy Open Translator • E-World • Grolier's Multimedia Encyclopedia CD • Time Almanac CD 3D Atlas CD • Family Doctor CD Around the World in 80 Days Kidsoft Spectre Challenger Spin Doctor Challenge

#1966682

$1969

Apple® Macintosh® Performa® 5215CD

NEW

PowerPC 603 RISC @75MHz • Integrated floating-point unit 16K Internal Cache • 256K Level-2 cache • 8MB RAM • 1GB Hard Drive Apple® Super Drive 1.4MB Floppy Disk reads, writes, and formats Macintosh® Windows, MS-DOS, OS/2, and ProDOS disks • Apple CE 600i Quadruple-speed CD-ROm drive • 15" RGB color display • 1MB DRAM display support • RE-232/RS-422 serial port • SCSI interface port • Serial port for Apple Talk • 14.4 FAX/Modem AppleDesign Keyboard and mouse
Software Included: ClarisWorks • American Heritage Dictionary • Quicken MacLink Plus/Easy Open Translators • MacGallery Clip Art Treasure Pak • Click Art Performa Collection • At Ease • eWorld with Internet Access • Mangia • Expresso Writing Center • Fine Artist • Widget Workshop • Power Pete • EPIE's Guide to MAC Home Learning Software • Virex • WealthBuilder
CD-ROM Titles: 1995 Grolier Multimedia Encyclopedia • 3D Atlas • Club KidSoft CD Thinkin' Things Collection 2 Family Doctor Smithsonian's America

#2053233

$2297

PowerPC™ Apple® Power Macintosh™ 6100/66/CD 8MB/500HD

PowerPC 601 RISC at 66 MHZ • 256K level 2 cache, integrated FPU 8MB RAM expandable to 72MB • 500 Hard Drive • Double-Speed internal CD-ROM • Built-in LocalTalk and Ethernet connections • 2 serial ports (both Geo-Port compatible) • SCSI port • ADB port, 2 monitor port • 16-bit stereo I/O port • Built-in Apple® SuperDrive • 1.4MB Floppy disk drive reads, writes formats Macintosh®, Windows, MS DOS, OS/2 and ProDos disks
Monitor and Keyboard not included
*Power PC™ is a Trademark of International Business Machines Corporation used under liscense there from

#2050263

$1949

PowerPC™ Apple® Power Macintosh™ 6100/66/16MB/500HD/DOS/CD

PowerPC 601 RISC at 66 MHZ • 256K level 2 cache, integrated FPU 16MB RAM expandable to 72MB • 500 Hard Drive • Double-Speed internal CD-ROM • Built-in LocalTalk and Ethernet connections • 2 serial ports (both Geo-Port compatible) • SCSI port • ADB port, 2 monitor port 16-bit stereo I/O port • Built-in Apple® SuperDrive • DOS compatibility card 1 4MB Floppy disk drive reads, writes formats Macintosh®, Windows, MS DOS, OS/2 and ProDos disks
Monitor and Keyboard not included
*Power PC™ is a Trademark of International Business MachinesCorporation used under liscense there from.

#2010386

$2495

PowerPC™ Apple® Power Macintosh™ 7100/80/CD/AV 16MB/700HD

PowerPC 601 RISC at 80 MHZ • 256K level 2 cache, integrated FPU 2MB VRAM Video input/output • 700 Hard Drive • Double-Speed internal CD-ROM • Built-in LocalTalk and Ethernet connections • 2 serial ports (both Geo-Port compatible) • SCSI port • ADB port 2 monitor port • 16-bit stereo I/O port • Built-in Apple® SuperDrive • 1.4MB Floppy disk drive reads, writes formats Macintosh®, Windows, MS DOS, OS/2 and ProDos disks
Monitor and Keyboard not included
*Power PC™ is a Trademark of International Business Machines Corporation used under liscense there from.

#1988417

$3595

PowerPC™ Apple® Power Macintosh™ 9500/120

120 MHz PowerPC™ 604 processor • 16MB RAM expandable to 768 MB, integrated FPU and 32K Cache: 512K level 2 Cache, 6 High Speed PCI expandable slots, 1 Gigabyte Hard Drive, Apple CD™ 600 Quadruple Speed CD-ROM Drive, • Built-in Ethernet (10BT, AAUI) LocalTalk® • Two Geo-Port™ • Compatible serial ports • SCSI port ADB port • Monitor port • 16-bit stereo sound I/O ports • System 7.5.2
Monitor and Keyboard not included
*Power PC™ is a Trademark of International Business Machines Corporation usedunder liscense there from

#2054795

$4789

MAGNAVOX 14" COLOR MONITOR FOR MACINTOSH®

28 Dot Pitch
640 x 480
Includes Cable

CM2080
#1748516

$247

15" NON-INTERLACED MONITOR For Macintosh®

- .28mm dot pitch
- 1 Year Warranty

#2045933

$397

Apple® 17" Color Multiple Scan Display

- Multiple-scan technology allows you to adjust resolution
- 17-inch screen Sony Trinitron tube
- Comes with a tilt-and-swivel base that allows you to position the monitor for optimal viewing comfort
- Complies with the EPA's EnergyStar conservation guidelines
- Adjustable resolution through software (included) Selectable from 640 by 480 pixels to 1024 by 768 pixels

#1925508

$935

Apple® 20" Color Multiple Scan Display

- Multiple-scan technology allows you to adjust resolution
- 20-inch screen Sony Trinitron tube
- Comes with a tilt-and-swivel base that allows you to position the monitor for optimal viewing comfort
- Complies with the EPA's EnergyStar conservation guidelines
- Adjustable resolution through software (included) Selectable from 640 by 480 pixels to 1152 by 870 pixels

#1897131

$1899

radius 20" INTELLICOLOR TRINITRON COLOR DISPLAY/20e

- Macintosh® or PC compatible
- 20" Sony Trinitron Tube
- Adjustable resolution, 640 X 480 to 1360 x 1024 at 75Hz, 1600 x1200 Hz at 63Hz

#1812992

$1949

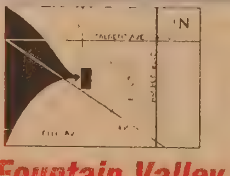
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!®

Fry's ELECTRONICS

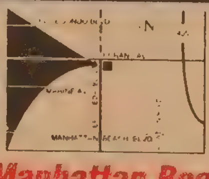
Prices Good Through August 15, 1995

Limit Rights Reserved. Not Responsible for Typographical Errors

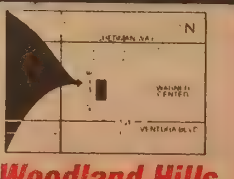
STORE HOURS
MONDAY - FRIDAY
8AM - 9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
CORP. P.O. FAX (714) 378-4444



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
CORP. P.O. FAX (310) 364-3737



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
(818) 227-1010
CORP. P.O. FAX (818) 227-1025

DISCOVER NOVUS
VISA
MasterCard
Discover, Visa and MasterCard Accepted

Authorized Reseller

Macintosh Accessories

Authorized Reseller

TELEPORT

Teleport Gold II 14.4 Fax Modem for Macintosh®

Includes award winning Global Fax Software.

$109.99

#1979024

PARAMOUNT MULTIMEDIA MM3 SPEAKERS

NEW

- 6.5" 3-Piece
- 30 Watt RMS
- Serious Sound for Serious Users!

Paramount Interactive

$299

#2025982

Computer Werx BRAINSTORM4x MULTIMEDIA KIT For Macintosh®

- Quad-Speed CD-ROM Drive
- 600KB/Sec. 220 Access
- Microsoft® Works
- Microsoft® Bookshelf
- Microsoft® Encarta
- Speakers and more

$397

#2031604

28.8 V.34 LifeStyle Fax/Modem For Macintosh®

- Powered by Motorola RISC technology
- Security - call back password
- Communications toolkit, over $500 value
- 5 Year Warranty

$215

#2054083

DOUBLE-SPEED MULTIMEDIA CD-ROM KIT For Macintosh®

NEW

- Chinon CDS-525s CD-ROM
- 5 Software Toolworks Titles
- Speakers and FWB Software

NU DESIGN

$197

#2033455

CONNECTIX QUICKCAM

Digital Video Camera for Macintosh®

- CCD-based digital video camera with microphone
- Resolution up to 320x240 pixels
- QuickTime movie recorder and editor
- Still picture capture utility
- After Dark™ compatible video screen saver module
- Desktop photo gallery application
- Camera Stand

$89

#1990227

Truform 106-KEY ERGONOMIC KEYBOARD For Macintosh®

NEW

ADESSO

$97

#2042930

GRAVIS

MOUSE STICK FOR MACINTOSH®

- 3 Fire Buttons
- Adjustable Tension Controls

$47

#1440168

Microsoft

ART GALLERY CD-ROM For MACINTOSH®

The Collection of the National Gallery in London. Microsoft's Art Gallery presents the celebrated art collection of the National Gallery with vivid color, animation, and sound. Whether you're a casual browser or a serious student, from the delicate line of Leonardo de Vinci to the blazing swirls of Vincent Van Gogh, you'll find inspiration and information.

$54.95

MAC
#1863105

MAVIS BEACON TEACHES TYPING! VERSION 2.0 for Macintosh

New Graphics and New Games with Improved 10 key mode. Extended on-line help with Personalized practice lessons.

$31.95

MAC
#1925830

PAGEMASTER CD-ROM FOR MACINTOSH®

The Pagemaster CD-ROM Adventure Game is a storytelling experience unlike any other. Feature film quality animation, stunning 3-D graphics, incredible special effects, dramatic sound and music and hilarious dialogue make the magic of the written work come to life.

$47.95

MAC CD-ROM
#2049041

SOFTWARE VENTURES

INTERNET VALET

The instant, hassle-free, complete, affordable, fun and risk-free way to explore the Internet. Internet Valet includes everything you need to get your Macintosh Internet-ready and connected in less than 10 minutes - software, service and support. Once you master the basics, you'll have a complete suite of full-featured Internet tools that makes your Macintosh the best internet computer anywhere.

$39.95

MAC
#2050883

CLARIS

ClarisWorks 4.0 Upgrade

THE ALL-IN-ONE ANSWER FOR BUSINESS, HOME AND EDUCATION.

ClarisWorks 4.0 has the most robust set of features among all other Works programs. Such as powerful word processing capabilities with stylesheets to enhance data base reporting. And net time-saving automation features such as the ExpressStyle, FastReports, or ReadyArt Libraries, will make ClarisWorks 4.0 users more productive than ever!

$74.95

MAC
#2051828

Rebel Assault CD-ROM for MACINTOSH®

The best CD-ROM game is now available for the Macintosh. Features Include: • Astonishing 3-D Graphics • Over a dozen action-packed levels • Full screen video from the Star Wars movies • Digitized Speech and movie sound effects.

$28.95

MAC CD-ROM
#1923964

Imsi

TurboCad 3D For Macintosh®

TurboCAD3D for Macintosh® gives even novice users the power and accuracy of desktop CAD plus the fully integrated capability to create realistic 3D wireframes, isometrics, and perspectives quickly and easily. The range of new features in TurboCAD 3D are ideal for hobbyists, illustrators, drafters, designers, architects, and engineers.

$179.95

MAC
#2007575

AMERICA ONLINE VERSION 2.5

It's engaging and easy to use- join America's fastest growing online community!

- Make the most of your computer MAC
- Communicate easily and instantly
- Get the latest news and information
- Share interests and expand horizons

And that's just the beginning...

Online

$22.95

MAC #1973811

Microsoft

Office 4.2 Upgrade for Macintosh®

Special upgrade for users of Microsoft Excel, Microsoft Word, Microsoft PowerPoint, Microsoft Works, or Microsoft Office 3.0 or Earlier.

$289.95

MAC
#2018889

Microsoft

ENCARTA '95 for Macintosh®

Microsoft® Encarta for the Macintosh will take you on a journey of discovery and learning.

- 26,000 articles
- 7,000 photos and illustrations
- 100 animations and video clips
- 800 maps and an illustrated timeline of world history

$94.95

MAC
#1932232

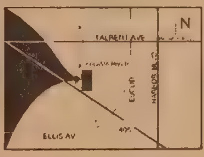
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!®

Fry's ELECTRONICS

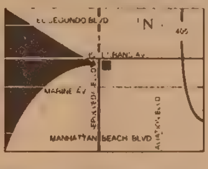
Prices Good Through August 15, 1995

Limit Rights Reserved. Not Responsible for Typographical Errors.

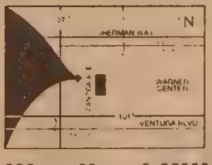
STORE HOURS
MONDAY - FRIDAY
8AM - 9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
CORP. P.O. FAX (714) 378-4444



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
CORP. P.O. FAX (310) 364-3737



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
FAX (818) 227-1010
CORP. P.O. FAX (818) 227-1025

DISCOVER NOVUS
VISA
MasterCard

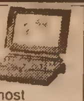
Discover, Visa and MasterCard Accepted

Authorized Reseller

Apple® Powerbooks® and Software

Authorized Reseller

Apple® PowerBook® 150 4/120



The Apple® PowerBook® 150 is the most affordable PowerBook® computer, combining the performance of 33-MHz Motorola 68030 microprocessor with the convenience of a compact, lightweight notebook system.

- 9.5" diagonal, backlit passive matrix, grayscale display
- 120MB Hard Drive
- 5.5 lbs
- Bundled Software: ClarisWorks 2.1
- PowerBook® Mobility Bundle Software

$897

#1939538

Apple® PowerBook® 520 4/240

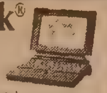
68LCO40 Processor • 50/25 MHz Speed 4MB RAM, expandable to 36MB,4MB on board and one memory expansion slot • Internal Apple SuperDrive® Floppy Disk Drive, Internal 240MB Hard Disk Drive • Three expansion slots- One for a processor-direct card, One for an internal modem, and One for RAM • Serial port • ABD™ port • Video-output port • Power adapter port • Sound-input (mono) port and integrated microphone • Sound output (stereo) port and speakers • SCSI port.

New Low Price!

$1749

#2009083

Apple® PowerBook® 520c Color 4/240



68LCO40 Processor • 50/25 MHz Speed Passive Matrix Color Display • 4MB RAM, expandable to 36MB • Internal Apple SuperDrive® Floppy Disk Drive, Internal 240MB Hard Disk Drive Three expansion slots- One for a processor direct card, One for an internal modem, and One for RAM • Serial port ABD™ port Video-output port • Power adapter port Sound-input (mono) port and integrated microphone Sound output (stereo) port and speakers SCSI port.

New Low Price!

$2199

#2009094

Apple® PowerBook® 540c Color 12/500/M

68LCO40 Processor 66/33 MHz Speed • 12MB RAM • Apple SuperDrive® Floppy Disk Drive • 500MB Hard Drive • Internal Modem • Three expansion slots- one for a processor-direct card, one for an internal modem, and one for RAM • Serial port • ADB™ port Video-output port Power adapter port • Sound-input (mono) port and integrated microphone Sound output (stereo) port and speakers • SCSI port.

New Low Price!

$4199

#1991181

GLOBAL VILLAGE POWER POINT PLATINUM 28.8 FAX/MODEM POWER® PBIIxx

- 28.8 v.34 modem
- 14.4 send/receive fax
- Global Fax™ OCR software

$337

#2012687

RENO PORTABLE EXTERNAL CD-ROM FOR MACINTOSH®

Features:

- SCSI-2, Double Speed, 180ms Portable CD-ROM Player
- Portable: Works with AC Adapter or Batteries
- Photo CD Multi-session Ready
- Includes Stereo Headphones, Carrying Case, ACAdapter, and Cables
- Includes Apple SCSI PowerBook Adapter
- Includes FWB CD-ROM Toolkit

$247

MV-450
#1988071

ALPS GLIDEPOINT

The next generation in PC pointing devices

- Intuitive cursor control at your fingertips
- Replaces mouse or trackball
- "Taps" for instant selection
- Three-button versatility
- DOS and Windows™ compatible

$79

#2006828

Apple® Newton® MessagePad 120

- 2MB RAM
- PCMCIA Type II card slot
- Quicken coupon
- Newton external fax/modem
- Notion 1.1 Software

$649*

* After $50 Mail-in rebate in-store price $699

#1992344

NEWTON ENHANCEMENT PACK

2MB Flash Storage Card Includes: Graffiti, Starcore's Newton Utilities, and Lambie's Action Names and Agenda

$139

#2022163

SYMANTEC. Victory Over Viruses

SAM® automatically locks out virtually every virus, and easily repairs infected files. It is the highest-rated, best-selling Macintosh® virus protection in the world - and it's the fastest and most unobtrusive, too. Install SAM once and never worry again!

$74.95

MAC
#1947849

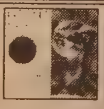
Microsoft ART GALLERY for Macintosh® CD-ROM

The Collection of the National Gallery, London.Microsoft's Art Gallery presents the celebrated art collection of the National Gallery, London with vivid color, animation, and sound. Whether you're a casual browser or a serious student, from the delicate line of Leonardo de Vinci to the blazing swirls of Vincent Van Gogh, you'll find inspiration and information

$54.95

MAC
#1863105

HOOKED INTERNET MADE EASY



*With purchase of any Macintosh® Software. Hooked can be purchased separately for $9.95

FREE*

MAC
#2025638

FWB HARD DISK TOOL KIT PERSONAL EDITION 1.7

For Power Macintosh® & Macintosh®

The award-winning FWB ToolKit family of disk management software also includes...

- Greater Performance and Speed
- Universal Compatibility and Reliability
- Power and Flexibility

8 Data Security

$52.95

MAC
#2011136

BERKELEY SYSTEMS LOONEY TUNES SCREEN SAVER For Macintosh®

Twelve hysterical, animated displays, include Bugs Bunny, Tasmanian Devil, Elmer Fudd, Pepe Le Pew, ACME Home Shopping, Marvin the Martian, Road Runner, and many others! Voices, sounds, music, power management, and password protection! Stand-alone! After Dark compatible!

$29.95

MAC
#2018487

MySoftware Co.® My Advanced Label Designer

With my Advanced Label Designer, you can choose from over 100 pin-fed or laser label formats or design your own in any size! You'll create great looking labels, shipping labels, price tags, video/audio cassette labels and a lot more

$24.95

MAC
#1704532

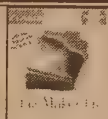
WIZARD Works TRUE TYPE FONT PACK FOR MACINTOSH®

Make your documents really stand out. Create attention-getting documents with this package of 100 premium-quality fonts. Every single character in every single font is created to print laser-smooth and crystal-clear at the highest quality resolution your printer and deliver Included are fonts for every occasion, including headline, traditional, text script, novelty and decorative fonts.

$19.95

Mac #1902680

CLARIS FILEMAKER PRO 2.1 FOR MAC



with more than 50 new features, FileMaker Pro for Macintosh® gives you even more for scripting, data management, and computing across workgroups. And add impact to your files with QuickTime movies! Get FREE Fed Ex Letter and Fed Ex Tracking Software Offer!

$98.95

MAC
#1957037

Adobe Systems Incorporated PageMaker 5.0 For Power Macintosh®

Gives you absolute power to design professional printed materials. And now you get Extensis PageTools 1.0 - FREE - for even more power!

$579.95

PowerMac
#2019053

BizPlanBuilder® Version 5.0

The #1 Best Seller for proven results!

Designed by leading business experts, here's everything you need to create a professional plan fast - one that really sells your ideas. Features Include:

- You use your own word processor so you can make as many text changes as you like
- Over 90 pages of concise text are preformatted in word processor templates
- Built-in tutorials with ideas, questions, and suggestions

JIAN

$84.95

MAC
#1951101

HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!®

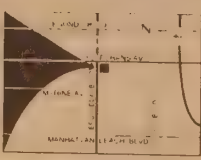
Fry's ELECTRONICS

Prices Good Through August 15, 1995

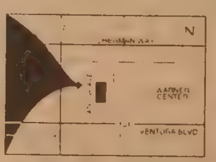
Limit Rights Reserved. Not Responsible for Typographical Errors

STORE HOURS
MONDAY - FRIDAY
8AM - 9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM

Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
CORP. P.O. FAX (714) 378-4444



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
CORP. P.O. FAX (310) 364-3737



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
FAX (818) 227-1010
CORP. P.O. FAX (818) 227-1025

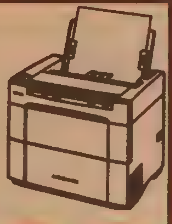
DISCOVER NOVUS
VISA
MasterCard

Discover, Visa and MasterCard Accepted

EPSON®

WHEN YOU'VE GOT AN EPSON YOU'VE GOT A LOT OF COMPANY

EPSON® Action Laser™ 1400

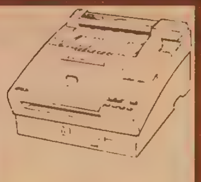


The Best Value In True 600 dpi Laser printing
- 600 dpi printing with Edge Smoothing Technology
- PCL 5e Compatible
- 2MB Memory with Image Compression Technology
- Printer Control Panel Software for Windows and DOS
- 45 Scalable Fonts, 10 TrueType Compatible

$498

#1984930

EPSON® Action Laser™ 1100

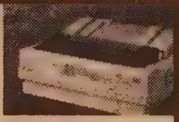


Advanced laser printing at a personal laser price.
- 300 dpi printing with Edge Smoothing Technology
- PCL 5® Compatible
- 1MB Memory with Image Compression Technology
- Toner Saving Mode
- Printer Control Panel Software for Windows™ and DOS
- 22 Fonts, 8Scalable

$397

#1986389

EPSON® LQ-570+ 24 PIN PRINTER WITH SCALABLE FONTS!

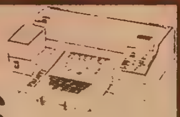


- 80 Column
- 269 CPS Draft Mode
- 112 CPS Letter Quality
- Four Scalable Fonts
- 360 dpi with Optional Film Ribbon

$248

#1612004

EPSON® Stylus 800 Plus

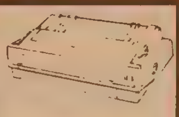


High Definition Inkjet Printing that Sets the Standard.
- Exclusive Epson Stylus Technology
- Improved grayscale graphics
- Your choice of fonts
- Windows™ compatible

$209

#1950214

EPSON® LQ-1070 PLUS 24-PIN PRINTER



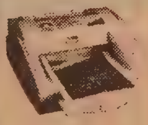
- 136 Column
- 269 CPS Draft
- 10 Fonts
- 2 Scalable Fonts
- 252 CPS Draft Mode
- 84 CPS NLQ Mode

$398

#1821927

DIGITAL PRINTERS

digital DECcolorwriter 550ic COLOR INKJET PRINTER



- High Performance color inkjet printer
- 400 cps performance, up to 5 pages per minute
- 600 x 300 dpi for text/300 x 300 dpi for color graphics
- DECcolor Works makes high quality color printing fast and easy
- Color correcting software delivers richer and truer on screen colors
- Color cartridge included
- Replaceable mono ink cartridge
- Handles letter, legal and international A4 sizes
- Ink low indicator
- Two year warranty

$328

#2012388

digital DECcolorwriter 120ic COLOR INKJET PRINTER

- Low-cost color thermal inkjet printer
- Print speed up to 3 pages per minute
- Built-in 70-page sheet feeder
- Laser quality at dot-matrix price
- MS Windows™ driver included
- 2-year warranty

$278

#1907261

digital DEC Laser 3500 POSTSCRIPT LEVEL 2 LASER PRINTER

- 12 pages per minute
- True 600 x 600 dpi resolution
- Dual Platform printer, PC and MAC
- 3MB Ram expandable to 19MB
- Adobe Postcript Level 2 printer, HP PCL5

$1698

#2013002

digital DEClaser 5100 PostScript Level 2 Laser Printer

- 600 X 600 dots per inch
- Printer speed up to to 8 pages per minute
- Adobe Level 2 PostScript with 73 Adobe fonts
- 2MB memory upgradable to 66MB
- Serial, Parallel and AppleTalk interfaces
- Built-In 250-page sheet feeder

#1907319

While supply lasts.

IBM & MAC READY!

$999

#1907319

HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!®

Fry's ELECTRONICS

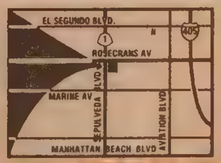
Prices Good Through August 15, 1995

Limit Rights Reserved. Not Responsible for Typographical Errors.

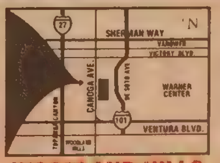
STORE HOURS

MONDAY - FRIDAY
8AM - 9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM

FOUNTAIN VALLEY
10800 Kalama River Ave.
(714) 378-4400
FAX(714) 378-4444



MANHATTAN BEACH
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
FAX(310) 364-3737



WOODLAND HILLS
6100 Canoga Ave.
(818) 227-1000
FAX (818) 227-1010
P.O (818) 227-1025

DISCOVER NOVUS
VISA
MasterCard
ACCEPTED

DIGITAL DEALS

digital™

Starion 500i
PENTIUM 75MHz MINI TOWER SYSTEM

• Integrated Windows™ graphic accelerator with 1MB VRAM • 8MB RAM, expandable to 128MB • 256KB L2 cache • 1.44 Floppy Drive • 1GB hard drive • Quad-speed CD-ROM • 14.4 Fax/Modem with answering machine and speakerphone • 16-bit stereo sound • Speakers • Microphone • Keyboard • Mouse • DOS • Windows™ for Workgroups • Business software
Monitor Sold Separately!

#2006758

$1795

Starion 700i
PENTIUM 90MHz MINI TOWER SYSTEM

• Integrated Windows™ graphic accelerator with 1MB VRAM • 8MB RAM, expandable to 128MB • 256KB L2 cache • 1.44 Floppy Drive • 1GB hard drive • Quad-speed CD-ROM • 14.4 Fax/Modem with answering machine and speakerphone • 16-bit stereo sound • Speakers • Microphone • Keyboard • Mouse • DOS • Windows™ for Workgroups • Business software
Monitor Sold Separately!

digital™

#2006769

$2195

digital™

Starion 900i
PENTIUM 100MHz MINI TOWER SYSTEM

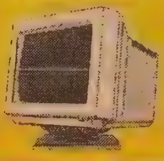
• Integrated Windows™ graphic accelerator with 1MB VRAM • 8MB RAM, expandable to 128MB • 256KB L2 cache • 1.44 Floppy Drive • 1GB hard drive • Quad-speed CD-ROM • 14.4 Fax/Modem with answering machine and speakerphone • 16-bit stereo sound • Speakers • Microphone • Keyboard • Mouse • DOS • Windows™ for Workgroups • Business software
Monitor Sold Separately!

#2006770

$2495

15" FLAT MONITOR

digital™



#2006781

$395

FROM FRY'S!!!

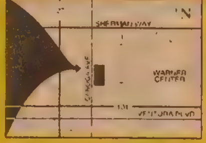
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!™

Fry's ELECTRONICS

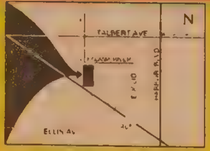
Prices Good Through August 15, 1995

Limit Rights Reserved. Not Responsible for Typographical Errors.

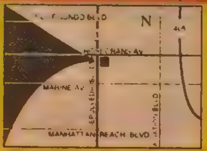
STORE HOURS
MON - FRI
8AM-9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
CORP. FAX (818) 227-1010
P.O.'s (818) 227-1025



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
CORP. P.O. FAX (714) 378-4444



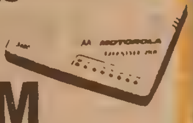
Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
CORP. P.O. FAX (310) 364-3737

DISCOVER, VISA AND MasterCard ACCEPTED

MODEMS

MOTOROLA LIFESTYLE SERIES

28,800 BPS V.34 EXTERNAL FAX/MODEM

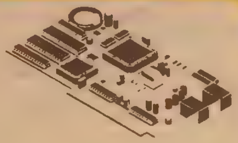


- **Quaility**-unparalled Motorola quality and reliability
- **Easy**-Plug and Play combatible
- **Fast**-sendand receive faxes, orders and information at rates up to 115,200bps
- **Efficient**-error correction for clear faxes, reliable data every time
- **Secure**-password and callback security

#2046875

$218

28.8 INTERNAL FAX/MODEM TRUE V.34



- Flash ROM-end user upgradable without sending in modem for future upgrades.
- True V.34 (28.8 modems)
- Fax Talk, Comit for DOS and Windows™
- Caller ID
- 5-year warranty

#2012403

Supra Corporation

$189

ZOOM

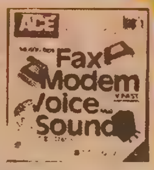
28.8 BPS INTERNAL FAX/MODEM WITH V.34 / V.FAST

Internal Halfcard • Compressed data Through put of 115,200 bps
V.42 bis. and MNP 5 Data Compression
V.42, MNP 2-4 and MNP10 error checking
Complete with Windows and MS DOS communication software
7 Year Warranty
Free Technical Support
#2024992

$158

BEST DATA

ACE 14,400 BPS FAX/MODEM VOICE MAIL/SOUND



THE ALL IN ONE BOARD FOR SOUND AND COMUNICATIONS
V.Fast Upgradable • 16-Bit Stereo • DSP Software Upgradable
#1871782

$159⁹⁹

BEST DATA

SMART ONE 14,400 BAUD INTERNAL FAX/MODEM

V.42bis • MNP Hardware
V.32bis • Class II
Throughput up to 57,600 bps
Quicklink II for DOS and Windows
#1871771

$49.99

Hayes®

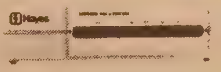
ACCURA INTERNAL 14,400 BAUD FAX/MODEM

Free SmartCom Data and Fax Software
Group 3 Fax
V.42, V.42bis, MNP 2-5
08-01185
#1798197

$98

Hayes®

ACCURA EXTERNAL 14,400 BPS FAX/MODEM



- Free SmartCom Data and Fax Software
- Group 3 Fax
- V.42, V.42bis, MNP 2-5
- Cables included

08-01174
#1798201

$109.99

14,400 BAUD INTERNAL FAX/MODEM

GROUP 3 Compatible • 16550 UART
BITCOM and BITFAX S/W • Supports up to Com 7 and IRQ-9
5 Year Warranty
#1930078

SIIG, Inc.

$54.99

SUPRA 144I PLUS EXPRESS 14,400 BPS INTERNAL FAX/MODEM

V.42,V.42bis, MNP 2 5 • 5-year limited warranty
Fax Talk, COMit,CIM Software
Includes hardware-based compression and error correction for greater efficiency.
#1964174

Supra Corporation

$76

SUPRA 144I PLUS EXPRESS 14,400 BPS EXTERNAL FAX/MODEM

14,400 bps fax and data • Complete Windows package
Top-rated fax & data software • Easy-to-install, easy-to-use
5-year limited warranty
SupraExpress LED Display
#1997903

Supra Corporation

$94

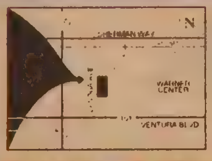
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!℠

Fry's ELECTRONICS

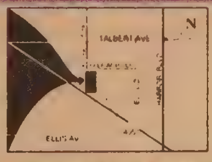
Prices Good Through August 15, 1995

Limit Rights Reserved. Not Responsible for Typographical Errors.

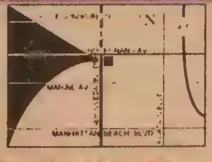
STORE HOURS
MON - FRI
8AM-9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
FAX (818) 227-1010 P.O. (818) 227-1025



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
FAX (714) 378-4444



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
FAX (310) 364-3737

DISCOVER, VISA AND MasterCard ACCEPTED

MODEMS

PRACTICAL PERIPHERALS.

FaxMe

Introducing the plug-in cartridge that turns a HP LaserJet printer into a plain paper receive FAX machine.

FaxMe turns your HP printer into a receive only fax machine It is compatible with all Group III fax machines and will receive at 9,600, 4,800, or 2400 BPS. FaxMe runs without software and without a computer.

Lifetime Warranty.

#1741771

$69

USRobotics The Intelligent Choice in Data Communications

SPORTSTER SI 14.4 INTERNAL DATA/FAX MODEM

- USRobotics quality matched with Rockwell chips
- New WinRPI software based V.42 and V.42BIS data compression
- Universally compatible with all standards of ITU-T (formally CCITT) Up to V.32 BIS
- Supports the AT command set

#2050562

$68

SIIG, Inc.

28,800 BAUD INTERNAL FAX/MODEM w/V.34

- Class 1 and 2
- Supports up to Com 1-4 and IRQ-3,4,5
- 5 Year Warranty

#1991619

$139.99

PRACTICAL PERIPHERALS.

14,400 BAUD INTERNAL FAX/MODEM

14,400 Baud Modem/Fax

Super High Speed V.32 BIS Protocol

Quick Link II communication Software

#1667912

$79.99

PRACTICAL PERIPHERALS.

14,400 BAUD MINI TOWER FAX/MODEM EXTERNAL

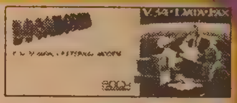
V.32 and V.42 Bis

Quick Link II Communication Software

#1757781

$99.99

BOCAMODEM V.34 28,800 bps External Fax/Modem



New International Standard

- 28,800bps Data Modem
- 14,400bps Send/Receive Group 3 Fax
- V.42bis Data Compression for Troughput Up to 115,200bps
- High-Speed 16C550 UART Serial Card Included
- Backward Compatible with V.Fast Class (V.FC) and Lower Speed Modems
- Five Year Warranty

#1981878

$188

BOCAMODEM V.34 28,800 bps Internal Fax/Modem

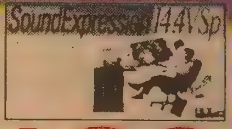
New International Standard

- 28,800bps Data Modem
- 14,400bps Send/Receive Group 3 Fax
- V.42bis Data Compression for Throughput Up to 115,200bps
- High-Speed 16C550 UART Serial Card on board
- Backward Compatible with V.Fast Class (V.FC) and Lower Speed Modems
- Five Year Warranty

#1981867

$168

BOCA SoundExpression 14.4VSp



Transform your ordinary PC into a powerful multimedia/communications workstation

- 16-bit Multimedia Stereo Sound
- Voice Mail
- 14,400bps Send/Receive Fax/Data Modem
- Speakerphone
- Five Year Warranty

#1981889

$168

Telecoupler II

High Speed Modem Coupler

CONNECTS A PORTABLE COMPUTER TO ANY TELEPHONE EASILY.

- Accoustic coupling with telephone handset
- Industry standard telephone to modem connector RJ-11
- Full or Half Duplex Communication Mode

#1847790

$109

CP+

14,400 BPS INTERNAL FAX/MODEM

V.42 bis, V.42 bis • Communication Software

#2010216

$49.99

14,400 BPS EXTERNAL FAX/MODEM

- V.32 bis, V.42 bis, MNP 2-5
- Windows and DOS Software

#1950982

$69.99

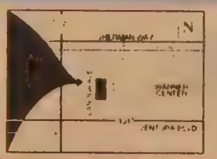
Fry's ELECTRONICS

HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!℠

Prices Good Through August 15, 1995

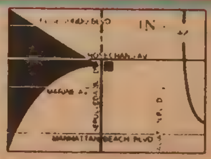
Limit Rights Reserved. Not Responsible for Typographical Errors.

STORE HOURS
MON - FRI
8AM-9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
FAX (818) 227-1010 P.O. (818) 227-1025

Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
FAX (714) 378-4444



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
FAX (310) 364-3737

DISCOVER, VISA AND MasterCard ACCEPTED

MONITORS

NEC

2V

1024 X 768

Non-Interlaced

14" SUPER VGA MONITOR

.28mm Dot Pitch • Non-Interlaced • Energy Star Compliant
1 Year Warranty • Remanufactured To Original Factory Specifications
#2054496

$239

Leading EDGE

14"

SUPER VGA MONITOR

- 1024 x 768
- .39 Dot Pitch
- Green Compliant Color Display

#2042756

$169

NEC

XV15

Multisync

15"

FLAT SCREEN SVGA MONITOR

1280 x 1024 • EPA Energy Star Compliant • VESA
#1988934

$419

SONY.

CPD-15FS

1280 x 1024

15" SUPER VGA MONITOR

15" 1280 X 1024 Resolution • Flat Trinitron Screen
Energy Star Compliant
#1928095

$459

HITACHI

SuperScan™ 15s

Non-Interlaced

1280 x 1024

15" SUPER VGA MONITOR

Non-Interlaced • .28 dpi • Flat Screen
#1939376

$395

NANAO

Non-Interlaced

17"

FLAT SCREEN MONITOR

1280 x 1024 • Flat Screen • .28mm dot pitch
Non-Interlaced
#2017051

$895

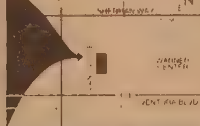
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!™

Fry's ELECTRONICS

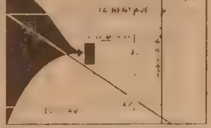
Prices Good Through August 15, 1995

Limit Rights Reserved. Not Responsible for Typographical Errors

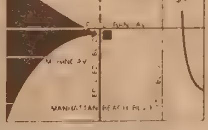
STORE HOURS
MON - FRI
8AM-9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
FAX (818) 227-1010 P.O. (818) 227-1025



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
FAX (714) 378-4444



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
FAX (310) 364-3737

DISCOVER, VISA AND MasterCard ACCEPTED

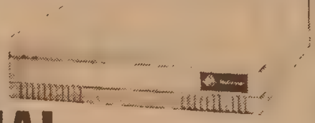
HARD DRIVES FOR MAC!

IOMEGA®

100MB SCSI ZIP DRIVE SOLUTION FOR MACINTOSH®

#2007841

$199.99



WOW

340MB EXTERNAL HARD DRIVE FOR MACINTOSH®

MODEL 340
#1850659

NU DESIGN

$197

SPIRIT

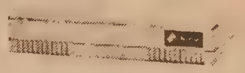
540MB EXTERNAL HARD DRIVE FOR MACINTOSH®

- 40 Watt Power Supply • DCR Active Termination
- Redline! Disk Utilities • Stackable
- Five Year Warranty

#2001915

$299

1.2 GIGABYTE EXTERNAL HARD DRIVE FOR MACINTOSH®



MODEL 1.2
#1850682

NU DESIGN

$579

SPIRIT

200MB EXTERNAL REMOVEABLE HARD DRIVE FOR MACINTOSH®

External, removeable Syquest hard drive with one 200MB Cartridge and cables
#2025708

$519

SPIRIT

270MB EXTERNAL REMOVEABLE HARD DRIVE FOR MACINTOSH®

External, removeable Syquest hard drive with one 270MB Cartridge and cables
#2008152

$529

2.0 Gigabyte External Hard Drive for Macintosh®

Cables and software included.
#2033433

NU DESIGN

$1179

2.0 Gigabyte QIC External Tape Back-Up for Macintosh®

- Easy to set up and use
- Cables and software included

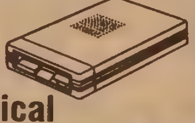
#2033444

NEW

NU DESIGN

$579

FUJITSU



230MB Magneto-Optical Rewriteable Disk Drive for Macintosh®

- 230MB total formatted capacity
- Average Seek Time: 30ms typ
- SCSI 2 Interface
- 50 pin DB centronics (input)
- One Inch Height

$679

#1937879

44MB Removeable Pre-Formatted Cartridge for Macintosh®

100% Syquest Compatible
#2027135

$29.99

88MB Removeable Pre-Formatted Cartridge for Macintosh®

100% Syquest Compatible
#2027168

$34.99

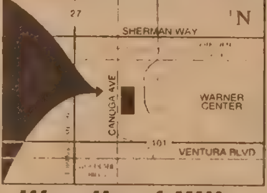
HOME OF FAST FRIENDLY, COURTEOUS SERVICE™

Fry's ELECTRONICS

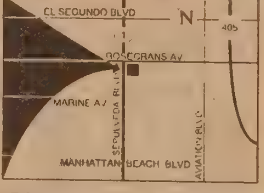
Prices Good Through August 15, 1995

Limit Rights Reserved Not Responsible for Typographical Errors.

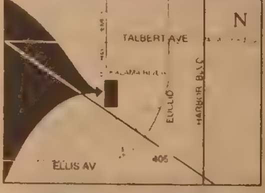
STORE HOURS
MON - FRI
8am - 9pm
SATURDAY
9am - 8pm
SUNDAY
9am - 7pm



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
FAX(818) 227-1010
P.O.s (818) 227-1025



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
FAX(310) 364-3737



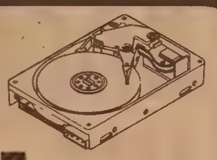
Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
FAX(714) 378-4444

MASTERCARD, VISA AND DISCOVER ACCEPTED

DISCOVER NOVUS
VISA
MasterCard

YOUR SCSI HARD DRIVE HEADQUARTERS!

Quantum™



FIREBALL 1.09 GB SCSI-II HARD DRIVE

- 3.5" X 1" • 12ms Seek Time
- 128KB Buffer • 5400 RPM

#2058744

$389

FUJITSU

1.08GB SCSI-II HARD DRIVE

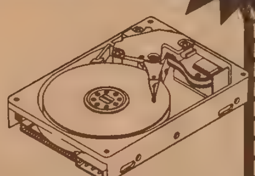
- 11MSec Seek Time • 512K Buffer
- 3.5" x 1" ht. • 3 Year Warranty

#2043425

$384

IN STOCK NOW!

CONNER



2.1 GIGABYTE FAST SCSI-II HARD DRIVE

- 9ms Seek Time
- 512K Buffer
- 5 year Warranty

#1999824

$749

Quantum™

GRAND PRIX 4.28GB SCSI-II HARD DRIVE

8.6ms Fast Seek Time
3.5 X 1.6 • 7200RPM
512K Buffer
#2055224

$1129

MICROPOLIS

9.09 GIGABYTE SCSI-II HARD DRIVE

12msec Fast Seek Time • 512K Buffer
1M MTBF • 5 Year Warranty
#2044334

$2289

EXTERNAL SCSI KITS

FOR PC		FOR MAC	
3.5" X 1" #2061418	$90	3.5" X 1" #2061430	$95
3.5" HH #2061452	$140	3.5" HH #2061463	$145
5.25" FH #2061474	$190	5.25" FH #2061485	$195

Includes: SCSI Case/Enclosure, SCSI Cable, Terminator, Formatting Software (MAC only), and Installation.

Come see our HUGE SELECTION of SCSI hard drives all at GUARANTEED LOW PRICES!

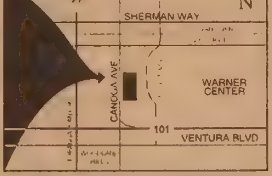
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!®

FRY'S ELECTRONICS

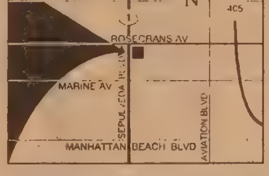
Prices Good Through August 15, 1995

Limit Rights Reserved. Not Responsible for Typographical Errors.

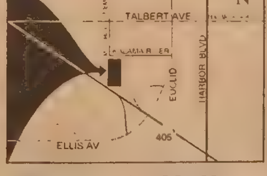
STORE HOURS
MON - FRI
8am - 9pm
SATURDAY
9am - 8pm
SUNDAY
9am - 7pm



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
FAX(818) 227-1010
P.O.s (818) 227-1025



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
FAX(310) 364-3737

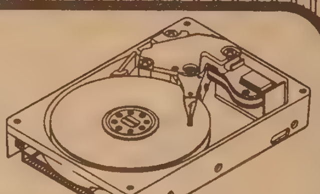


Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
FAX(714) 378-4444

MASTERCARD, VISA AND DISCOVER ACCEPTED

IDE HARD DRIVES

CONNER



420MB 3.5" IDE HARD DRIVE

- 14ms Seek Time • 3.5" X 1" • 64K Buffer
- IDE Interface
- 3600 RPM

#1886218

$139

560MB IDE HARD DRIVE

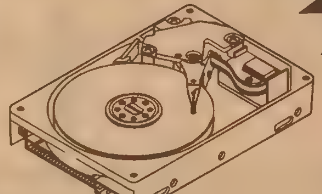
- 3.5" x 1" ht.
- 12MSec Seek Time
- 256K Buffer
- 3600 RPM

#1949933

$156

IN STOCK NOW!

Maxtor



540MB IDE HARD DRIVE

- 3.5" X 1"HT.
- 12msec Seek Time
- 32K Buffer
- 3551 RPM

#1981580

$159

Quantum™

540MB IDE HARD DRIVE

- 3.5" X 1" HT.
- 14msec Seek Time
- 128K Buffer
- 3600 RPM

#1969294

$169

Come see our HUGE SELECTION of IDE hard drives all at GUARANTEED LOW PRICES!

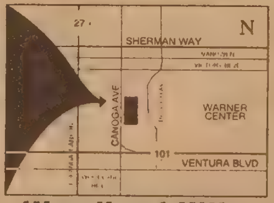
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!®

Fry's ELECTRONICS

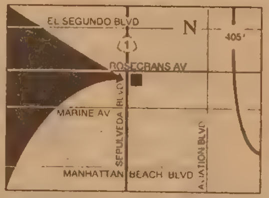
Prices Good Through August 15, 1995

Limit Rights Reserved. Not Responsible for Typographical Errors

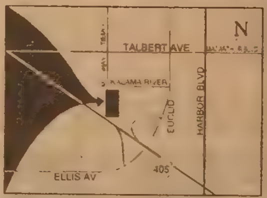
STORE HOURS
MON - FRI
8am - 9pm
SATURDAY
9am - 8pm
SUNDAY
9am - 7pm



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
FAX(818) 227-1010
P.O.s (818) 227-1025



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
FAX(310) 364-3737



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
FAX(714) 378-4444

MASTERCARD, VISA AND DISCOVER ACCEPTED

DISCOVER NOVUS

VISA

MasterCard

ENHANCED IDE HARD DRIVES

CONNER

850MB ENHANCED IDE HARD DRIVE

- 1" x 3.5" Size
- 14ms Seek Time
- 64K Buffer
- 3600 RPM

#1981513

$194

Maxtor

850MB ENHANCED IDE HARD DRIVE

- 3.5" x 1" Ht.
- 12 msec Seek Time
- 32K Buffer • 3551 RPM

#1988521

$199

IN STOCK NOW!

Quantum™

FIREBALL 1.08 GB FAST ATA-2 HARD DRIVE

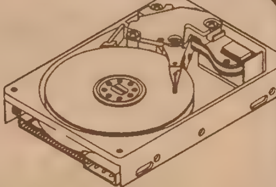
- 12ms Average Seek Time
- 5400RPM
- P10 Mode 4
- 128K Buffer

#2058467

$275

CONNER

1.2 GB ENHANCED IDE HARD DRIVE



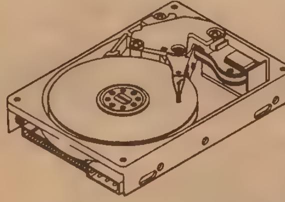
- 3.5" Enhanced IDE
- 14ms Seek Time
- 64K Data Buffer
- 3600 RPM

#1981524

$279

Maxtor

1.62GB ENHANCED IDE HARD DRIVE

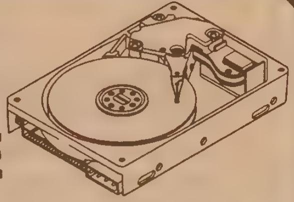


- 12ms Seek Time • 128K Buffer
- 3.5" x 1" • 4500 RPM

#2054094

$479

Western Digital 1.6GB ENHANCED IDE HARD DRIVE



- 10ms Seek TIme
- 128K Buffer
- Enhanced IDE Interface
- 3.5" x 1"
- 5400 RPM

#2053989

$649

Come see our HUGE SELECTION of ENHANCED IDE hard drives all at GUARANTEED LOW PRICES!

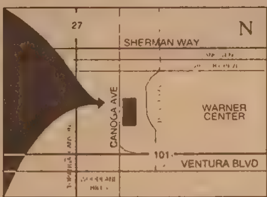
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!®

Fry's ELECTRONICS

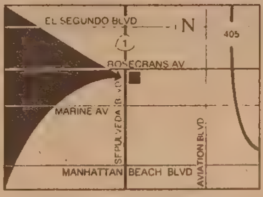
Prices Good Through August 15, 1995

Limit Rights Reserved. Not Responsible for Typographical Errors.

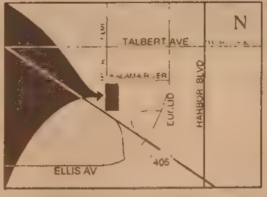
STORE HOURS
MON - FRI
8am - 9pm
SATURDAY
9am - 8pm
SUNDAY
9am - 7pm



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
FAX(818) 227-1010
P.O.s (818) 227-1025



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
FAX(310) 364-3737



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
FAX(714) 378-4444

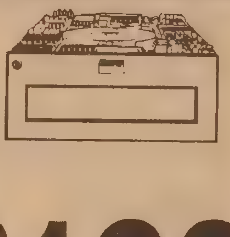
MASTERCARD, VISA AND DISCOVER ACCEPTED

DISCOVER NOVUS
VISA
MasterCard

YOUR BEST STORAGE TAPE BUYS ARE ALWAYS AT FRY'S!!

CONNER

420MB INTERNAL TAPE DRIVE



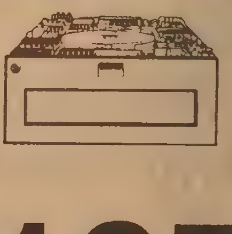
- Plugs to floppy controller
- Includes 420MB tape cartridge

$139

#1975019

CONNER

TRAVAN 800MB INTERNAL TAPE BACK-UP



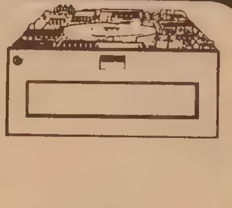
- Read/Write Compatibility w/ QIC 80/wide

$195

#2043252

CONNER

4 GIGABYTE INTERNAL SCSI-II TAPE BACKUP



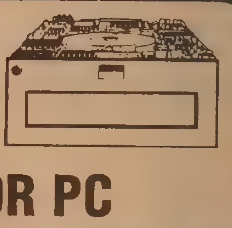
- 4 Gigabyte Internal Tape Backup Drive
- Plugs into Floppy Controller Card

TSM4000R-SBE

$499

#2015141

EXABYTE 1.3 GIGABYTE INTERNAL TAPE BACK-UP FOR PC



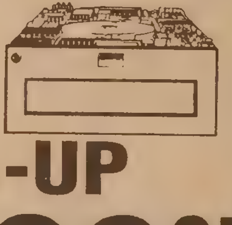
- Up to 1.3 Gigabyte internal tape back-up
- Includes one tape cartridge
- Works in DOS or Windows

NU DESIGN

$299

ND-71000
#1990917

250MB INTERNAL TAPE BACK-UP



Uses DC2120 Cartridge

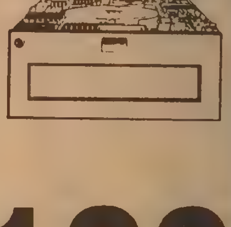
Limited to Stock on Hand

$89.95

#2015152

IOMEGA®

HP-T1000 800MB INTERNAL TAPE BACK-UP



- Read/Write Compatibility w/ QIC 80/wide

$189

COLORADO MEMORY SYSTEMS INC.

#2015901

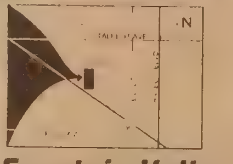
Fry's ELECTRONICS

HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!®

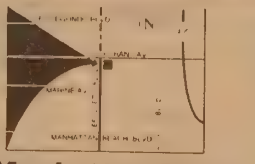
Prices Good Through August 15, 1995

Limit Rights Reserved Not Responsible for Typographical Errors

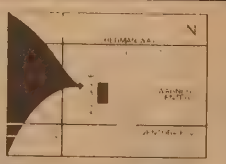
STORE HOURS
MONDAY - FRIDAY
8AM - 9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
CORP. P.O. FAX (714) 378-4444



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
CORP. P.O. FAX (310) 364-3737



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
FAX (818) 227-1010
CORP. P.O. FAX (818) 227-1025

DISCOVER NOVUS
VISA
MasterCard

Discover, Visa and MasterCard Accepted

STORAGE CD-ROM AND SPEAKERS

QUAD-SPEED CD-ROM KIT

- Internal Quad-Speed drive with controller card
- 195ms access time and 600 KB/sec transfer
- Data and Audio Cable included
- 50 exciting shareware titles
- Meets MPC2, XA, and multisession Photo CD specifications
- Two-year warranty
- Free technical support
- Easy to install and use
- Microsoft CD Sampler (8 Games)

#1998362

$189

NEC

Multispin INTERNAL 6-SPEED CD-ROM

Internal 6-Speed CD-ROM Drive

- 900KB/Sec Transfer Rate
- Full audio controls
- Built-in Diagnostics
- Plug and play compliant
- Meets all industry standards

#2024464

$488

DIAMOND MULTIMEDIA

QUAD-SPEED CD-ROM KIT 500

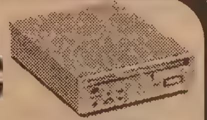
- Quad-Speed CD-ROM Drive w/600kb/s Transfer and 230ms Access
- Cables to Work with Any Sound Card
- Compton's 1995 Interactive Encyclopedia CD-ROM
- Installation Software
- Diamond's Pictorial Installation Guide
- Works with all Sound Blaster Compatible Games
- Free Technical Support

#2000394

$198

Sun Moon Star

PANASONIC 562 CD-ROM KIT



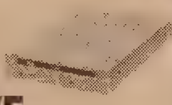
Includes:
Panasonic 562 CD-ROM Interface card Audio cable, Data cable, Menu and Installation Disk

- Journeyman Project Turbo
- Wolf
- Mega Race
- Terminator Rampage

#2049649

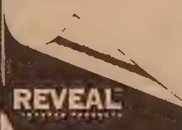
$99.99

INTERNAL QUAD-SPEED CD-ROM DRIVE



- 250MS Access, 600KB Data Transfer Rate, Multisession Photo CD Ready
- High-speed IDE (Atapi) interface card
- Cables, mounting hardware and utility software
- Installation video
- New Grolier's Encyclopedia

#2002293



$198

CHINON AMERICA

CDS-525S DOUBLE-SPEED, SCSI-II PERFORMANCE CD-ROM DRIVE

- 280ms Average Access Time
- 300K per Second Data Transfer Rate, 150K per Second for Audio CD
- Built-in 64K SRAM Data Buffer
- Caddyless Front Loading System
- SCSI-2 Compatibility allows Daisychain Connection of up to 7 Drives
- 5 CD Titles including Grolier's Encyclopedia, World Atlas, USAtlas and More!

#2010803

$129

SONY.

Discman CD-ROM PRD-150

PCMCIA Chart connection CD-ROM Discman

- MPC2 Performance
- 300KBPS Transfer Rate
- 380MS Access Speed
- Software Driver, Headphones, Interface Card, AC Adapter supplied

#2012366

$398

YAMAHA

POWERED MONITOR SPEAKERS

Unbelievable sound and music reproduction in speakers smaller than two cowboy boots- with 10 watts per channel output, 80Hz deep bass response, full volume and presence control, pure spruce wood cones, and Yamaha's exclusive Active Servo Technology!

YST-M10H
#1972201

$77

SONY.

SRS-PC40 PERSONAL COMPUTER STEREO SPEAKERS

- Built-in amplifier (6 watt output)
- 80Hz-25KHz
- Magnetically shielded design
- Two audio inputs mixing
- Supplied AC adapter

#2050816

$69.99

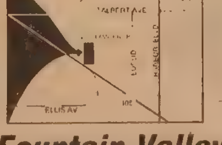
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!®

Fry's ELECTRONICS

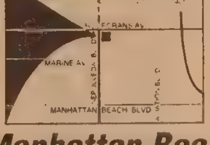
Prices Good Through August 15, 1995

Limit Rights Reserved. Not Responsible for Typographical Errors.

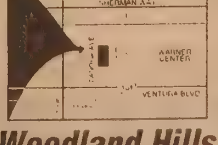
STORE HOURS
MONDAY - FRIDAY
8AM - 9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
CORP. P.O. FAX (714) 378-4444



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
CORP. P.O. FAX (310) 364-3737



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
FAX (818) 227-1010
CORP. P.O. FAX (818) 227-1010

Discover, Visa and MasterCard Accepted

maxell® STORAGE MEDIA

20 PACK 3.5" DS/HD COLOR IBM FORMATTED FLOPPY DISK $8.49*
*After $5 Mail-in Rebate. In-store Cost $13.49
#1970597

3.5" DS/HD IBM FORMATTED DISKETTES BOX OF TEN $4.99*
*After $2 Mail-in Rebate. In-store Cost $6.99
#1495700

3.5" DS/HD MAC FORMATTED DISKETTES BOX OF TEN $5.49*
*After $2 Mail-in Rebate. In-store Cost $7.49
#1764116

3.5" DS/ED 4MB EXTRA HIGH DENSITY DISKETTES BOX OF TEN $26.99
#1970623

3.5" 128MB REWRITABLE OPTICAL DISKETTE $29.99
#1764127

3.5" 230MB MAGNETICAL OPTICAL DISKETTE $39.99
#1930735

CS-600 HD 60MB HIGH DENSITY DATA CASSETTE $14.95
#1282460

CS-500 HD 50MB HIGH DENSITY DATA CASSETTE $11.99
#1296030

CS-600 XD 155MB STREAMER CASSETTE $15.95
Compatible with Teac CT600N and Maynard 90506
#1527218

HS-4/60 4MM 1.3 GIGABYTE HELICAL SCAN DATA CARTRIDGE $8.99
#1527229

HS-4/90 4MM 2.0 GIGABYTE HELICAL SCAN DATA CARTRIDGE $10.99
#1630558

HS-8/112 8MM 2.5 GIGABYTE HELICAL SCAN DATA CARTRIDGE $8.99
#1527230

DC 6150 1/4" 150MB DATA CARTRIDGE 620FT. $13.99
#1630592

DC 6250 1/4" 250MB DATA CARTRIDGE 1020FT. $17.49
#1720224

DC 2120R QIC-80 120MB UP TO 250MB FORMATTED DATA CARTRIDGE $12.99
#1720246

DC 2120 2-PK QIC-80 120MB UP TO 250MB FORMATTED DATA CARTRIDGE $18.99*
*After $5 Mail-in Rebate. In-store Cost $23.99
#1966327

CS-600 SX 600MB STREAMER CASSETTE $26.99
Compatible with Teac CT600F
#1764138

HS-4/120s 4MM 4.0 GIGABYTE HELICAL SCAN DATA CARTRIDGE $19.99
#1870161

DC 2120 XL 2-PACK 170MB UP TO 350MB FORMATTED DATA CARTRIDGE $29.99*
*After $5 Mail-in Rebate. In-store Cost $34.99
#2053727

MC 3000 XL Q3010 340MB UP TO 680MB FORMATTED DATA CARTRIDGE $29.99
#2053761

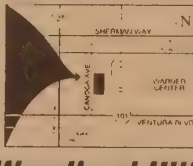
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!®

Fry's ELECTRONICS

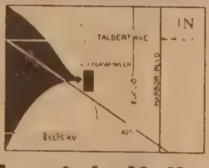
Prices Good Through August 15, 1995

Limit Rights Reserved. Not Responsible for Typographical Errors.

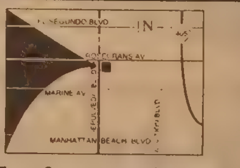
STORE HOURS
MON - FRI
8AM-9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
CORP. FAX (818) 227-1010
P.O.'s (818) 227-1025



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
CORP. P.O. FAX (714) 378-4444

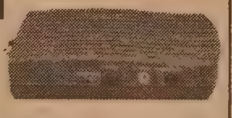


Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
CORP. P.O. FAX (310) 364-3737

DISCOVER, VISA AND MasterCard ACCEPTED

MULTIMEDIA

TVator Pro



PC/MAC VGA to NTSC Scan Converter

- See your PC/Mac picture on TV
- Simultaneous display on monitor or TV
- Supports Video, S-Video, RGB
- The Ultimate Scan Converter under $200

$\$149^{95}$

ANTEC
Where Designing is a Science

#1807525

TVator REMOTE

Professional VGA to NTSC Scan Converter

- See your computer picture on monitor or TV.
- Zoom, Freeze, Pan, Overscan-on Remote.
- Plug 'n Play-no drivers needed.
- Windows, MAC, OS/2, and DOS.
- Supports 800x600 resolution.

ANTEC

FREE portale trackball mouse while supplies last. A $79 value

$\$299^{99}$

#2053440

TeleSound Pro 16

- True 16-bit CD-quality stereo sound FM sound board
- Full compatibility with all major sound standard including Sound Blaster, MPU 401, KMT-32 and Windows Sound Systems.
- 8 and 16 digital recording and playback from4kHz to 44.1kHz sample rate.
- Built-in CD-ROM interface supports Sony, Mitsumi,Panasonic and IDE.
- EasyStart installation.

$\$49^{99}$

TeleVideo
MULTIMEDIA

#1982053

TeleWave Audio 32

- DSP based wave table & FM synthesis combo sound board.
- 32 simultaneous stereo voice polyphony and General MIDI standard support with 128 instruments
- 2MB of CD-quality sampled instruments sounds store in ROM
- Full Compatibility with all major sound standards including Sound Blaster, MPU 401, MT-32 and Windows Sound Systems.
- Built-in CD-ROM interface supports Sony, Mitsumi, Panasonic and IDE.
- Easy start installation.

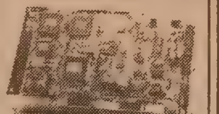
$\$179^{99}$

TeleVideo
MULTIMEDIA

#1982042

CREATIVE
CREATIVE LABS INC

SOUND BLASTER 16 VALUE IDE



- 8 and 16-bit stereo sampling/playback from 4-44.1 KHz
- Real-time, 16-bit software compression and decompression of sound files
- CD-ROM interface for Creative Labs CD-ROM drives
- Monologue for Windows and software utilities
- Windows 3.1, OS/2 and MPC2 compatible
- Wave Table Upgradeable

$94

#2042273

Pro PC/TV Plus

Portable PC-to-TV Encoder

- External VGA-to NTSC converter (VGA to TV/videotape) for your laptop or desktop PC
- Drives both VGA and TV simultaneously
- S-Video (SVHS) output for high quality video recordings/displays
- Anti-flicker circuit for sharp Windows display

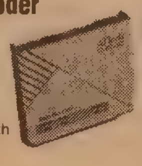
AITech

$\$189^{99}$

#1821433

MultiPro CTV

External VGA-to-video/TV encoder for your PC or MACINTOSH



- Record, edit or playback audio and video from your PC or Macintosh video output.
- Easy to use and easy to install-just plug and paly
- Supports up to 16.7 million (24-bit) colors with standard VGA (640x480) resolution.
- Dual display support cability (VGA monitor and TV/VCR simultaneously).

$\$279^{99}$

AITech

#1906835

MIRO DCI

Desktop Video Editing System for Windows

The video solution for real-time capturing, editing and playback of video. Includes Adobe Premiere for Windows.

- Capture digital VHS video to your hard disk
- Add transitions, titles and special effects
- Print to tape in full-size NTSC or PAL with S-VHS quality
- Now with crystal flying fonts pro

$698

PN-012014
#2000349

PC RADIO CARD

REVEAL

Tune to your favorite FM station while you work! Turns your PC into a full featured FM radio. Enjoy your favorite radio programs or news broadcasts right out of your PC, with this pre-amplified stereo FM card. The easy installation takes minutes. It has advanced features such as fine tune, auto scan, and a programmable 10 station memory.

$\$39^{99}$

#1985816

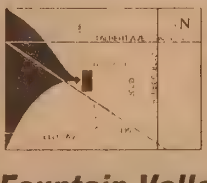
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!®

Fry's ELECTRONICS

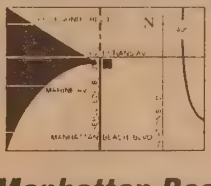
Prices Good Through August 15, 1995

Limit Rights Reserved. Not responsible for typographical errors.

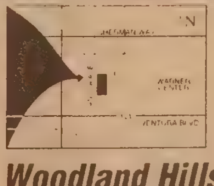
STORE HOURS
MONDAY - FRIDAY
8AM - 9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
FAX (714) 378-4444



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
FAX (310) 364-3737



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
FAX (818) 227-1010
CORP. P.O. FAX (818) 227-1025

DISCOVER NOVUS
VISA
MasterCard

Discover, Visa and MasterCard Accepted

MULTIMEDIA

Quad-Speed Multimedia Kit

- Quad-speed CD-ROM drive
- 16-Bit, CD-quality stereo sound card, wavetable synthesizer upgradeable
- 50 exciting shareware titles on CD
- Premium stereo speakers, microphone & headphones
- Compton's Interactive Encyclopedia
- Installation Video
- 100% sound blaster compatible guaranteed
- FREE technical support
- 2-year warranty

$259

Value Media 800
#1998339

Sound Blaster

Multimedia Home 4x

Create an interactive PC entertainment, education, and work center for the entire family!

- Sound Blaster 16 stereo sound card
- Quad-speed internal CD-ROM
- Stereo Speakers
- Ergonomic microphone
- Microsoft Encarta '95
- Microsoft Bookshelf '94
- Plus 22 additional top selling multimedia software titles!

$398

CREATIVE
CREATIVE LABS, INC.

#2013460

Multimedia Kit 4000

- Quad-Speed CD-ROM Drive w/600kb/s Transfer and 200ms Access
- 16-Bit Stereo Diamond Sound Card
- High Performance Magnetically Shielded Speakers
- 11 Software Titles

$289

DIAMOND
MULTIMEDIA

#1980006

MULTIMEDIA KIT

- High Performance Quad-Speed CD-ROM Drive
- 16-Bit Stereo Sound Card
- 8 Hot Multimedia Titles Plus Bonus CD-ROM with 50 Popular SharewareGames
- Stereo Speakers
- Media Vision Easy Installation Kit
  - -Installation Video and Tools
  - -Award-winning Documention

FREE INSTALLATION

$288

MEDIA VISION

MV-2200
#1998281

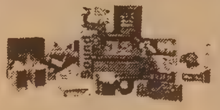
Multimedia Value Kit

- **Double-Speed CD-ROM**
- 16-bit stereo sound card
- Magnetically shielded stereo speakers
- High quality microphone and light weight headphones
- 20 Software titles

$179

#1964842

CREATIVE
CREATIVE LABS, INC



SOUND BLASTER VALUE CD MEDIA KIT

- Sound Blaster 16 stereo sound card
- Double-speed internal CD-ROM drive
- Stereo speakers
- Includes 5 multimedia software titles

$198

#2003995

Sun Moon Star

16-BIT MULTIMEDIA UPGRADE KIT

Includes:

- **Sony double-speed CD-ROM Drive CDU-55E**
- True 16-Bit Stereo Sound Board, with Sony IDE Interface
- Action 100 (includes 100 shareware games)
- Mini Speakers
- Easy installation software
- Audio cables and users' manual

$169

#1981719

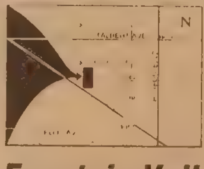
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!®

Fry's ELECTRONICS

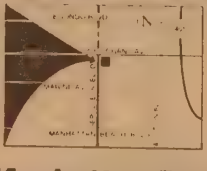
Prices Good Through August 15, 1995

Limit Rights Reserved
Not Responsible for Typographical Errors

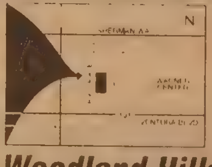
STORE HOURS
MONDAY - FRIDAY
8AM - 9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
CORP. P.O. FAX (714) 378-4444



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
CORP. P.O. FAX (310) 364-3737



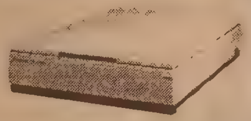
Woodland Hills
6100 Canoga Ave.
(818) 227-1000
FAX (818) 227-1010
CORP. P.O. FAX (818) 227-1025

Discover, Visa and MasterCard Accepted

SCANNERS

Canon

IX-4015 COLOR IMAGE SCANNER



The IX-4015 comes with everything you need to start scanning today, including a Quick Start Guide, OFOTO 2.0 for Windows, SCSI Cable and Cable Terminator, and TWAIN Device Driver for the PC

- 400 dpi x 1200 dpi Maximum Resolution
- Color: 12 - 800 dpi, Monochrome: 12 - 1200 dpi
- SCSI Interface

$697

#1997578

RELI 2412 COLOR SCANNER

FREE INSTALLATION A $30 VALUE!

- Resolution 300 X 1200 dpi
- True Single Color CCD sensor
- Software Interpolation 2400 x 2400 dpi
- 16.8 Million Color Recognition
- ColdScan Technology • Art-Scan Scanning Software
- Auto-Configuration SCSI Card

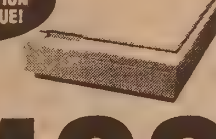
RELISYS
A Brandname of TECO Information Systems

$597

#2043089

ACTION SCANNER ES-600C

FREE INSTALLATION A $30 VALUE!



The ES-600 is designed and engineered to satisfy all your scanning needs. It offers an impressive list of standard features, unsurpassed system connectivity, exceptional color, monochrome and black and white image quality, and innovative options. Resolution from 50 to 600 dpi.

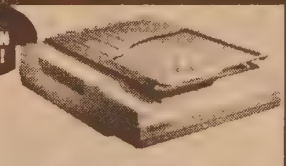
EPSON

$499

#1896163

Office Pro COLOR FLATBED SCANNER

FREE INSTALLATION A $30 VALUE!



w/ OCR, Graphic Software, and Card Reader

- 300 and 600 DPI Resolution • 24-Bit Color

Includes Software:

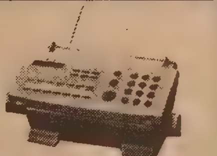
- Paper Master SE • TextBridge OCR
- CyberScan Lite Business Card Reader
- Photo Studio Graphics Software

RELISYS
A Brandname of TECO Information Systems

$479

#2043078

Scanfx



Fax and Copy full page Color and Grayscale Scanner with a 10-page document feeder.

Scanfx supports Twain and HP emulated driver. Scanfx lets you manage Faxing, Copying, Scanning, Retyping right on your own desktop by just a single key stroke.

Plustek

$449

#1903164

Win Fax Scanner

Scan it, Fax it, File it. The Complete Solution for all your faxing needs.

- Includes full version of Delrina Win Fax Pro 4.0
- Fast Automatic Scanning... up to 6 pages per minute
- 300 DPI Fujitsu Scanning Hardware
- Simple to use install. No add in card required.

*After $30 mail-in rebate.

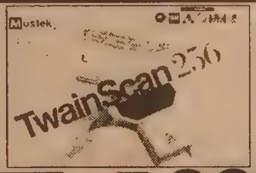
DELRINA

$299*

#2047452

Mustek™

TwainScan 256



The TOTAL Scanning Solution

- GS-400 256 Grayscale
- U-Lead Systems' iPhoto Plus
- Ocron's Perceive Personal OCR
- 1904 Interface Card
- Installation and Users Manuals

$74.99

#2007472

PageBrush Color w/OCR Software

- 100% Microsoft Windows Compatible
- TWAINcompliant
- 100 to 800 dpi resolution
- Scans 16.7 million (24-bit)
- SmartPage Direct OCR software
- Wide stance and rounded grip for ultra-straight scanning

MOUSE SYSTEMS

$179

#1860663

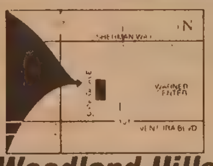
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!℠

Fry's ELECTRONICS

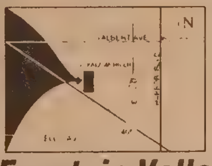
Prices Good Through August 15, 1995

Limit Rights Reserved. Not Responsible for Typographical Errors.

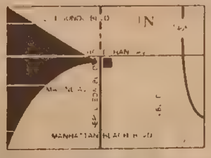
STORE HOURS
MON - FRI
8AM-9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
FAX (818) 227-1010 P.O. (818) 227-1025



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
FAX (714) 378-4444



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
FAX (310) 364-3737

DISCOVER, VISA AND MasterCard ACCEPTED

YOUR BEST SOFTWARE BUYS ARE ALWAYS AT FRY'S!

Microsoft® ENCARTA™ '95 CD-ROM For Windows™

The Complete Interactive Multimedia Encyclopedia
Great features make it easy to use.
- Quick reference • Find wizard
- 8 hours of sound
- On screen navigation tips
- 26000 fully updated articles
- 7000 photos
- 100 animations/video clips.

$79.95

IBM CD-ROM
#1966785

FLIGHT UNLIMITED

From the creators of the best selling Chuck Yeager's Advanced Flight Simulator Trainer and F-22 Interceptor Flight Unlimited for the PC CD-ROM is the most realistic flight simulator ever developed for the PC featuring innovative 3D texture-mapped scenery and unique fluid dynamics physics models.

$49.95

IBM CD-ROM
#1990559

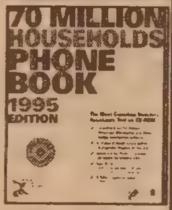
FULL THROTTLE CD-ROM For PC

Chain Saws. Tire Irons. Semi Trucks. Everything's coming after Ben at once. Trouble's riding his back so tight, it makes his leather squeak. He's got to out-fight it, out-smart it, and out-run it if he wants to survive. Blow your mind with awesome graphics, brutal puzzles, and a head-on collision of action and adventure. Blow your speakers with movie quality sound and a full digital score featuring the GONEJACKALS.

$39.95

IBM CD-ROM
#2023625

70 MILLION RESIDENT PHONE BOOK



The Data Source Favored by Fortune 500 Companies.

You can find phone number of long lost frienDs. Get information to plan a reunion.Verify numbers on your phone bill and update your Rolodex.

$19.95

IBM CD-ROM
#2009946

DELORME Street Atlas USA 2.0 for Windows™

Street Atlas USA is a complete street map of the entire country on a single CD-ROM. You can zoom in on every city, town, or rural area in the country-right down to the smallest back-roads. The database give you instant access to more than 12 million street segments and more than 1 million lakes, ponds, rivers, parks, railroads, and more.

$74.95

WIN CD-ROM
#1839043

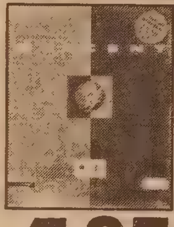
Microsoft® Bookshelf '95 for Windows™

The Microsoft® Bookshelf multimedia library is The New Way to Look it Up. It goes beyond the printed reference set and the thesaurus in your processor by providing one click access from anywhere in Windows to seven best-selling reference works enriched with multimedia.

$69.95

WIN CD-ROM
#2023164

DESCENT



Sensory Overload in 3600 3-D

Welcome to Descent™- 30 levels of the most mind-bending, stomach-churning action game ever. Featuring true 3-Dimensional worlds with light source shading, texture mapping, 3-D morphing, directional sound effects and sizzling music, this is technology taken to the limit.

$34.95

IBM CD-ROM
#2001395

Broderbund WELCOME TO KID PIX STUDIO

The multimedia paint and animation program just for kids!

Based on the award-winning Kid Pix®, Kid Pix Studio has more than double the original Kid Pix painting tools, dazzling multi-color fill patterns; scaleable construction brushes, hundreds of Rubber Stamps, and outrageous Electric Mixer effects.

$44.95

IBM CD-ROM
#1958968

VIRTUAL ENTERTAINMENT MULTIMEDIA IQ TEST

Have you ever wondered how you would score on an IQ test?
Features:
- Digital interviews and movies
- Narrated introduction
- Sample test questions included
- Test results with explanations
- Timer
- Print test results

$14.95

IBM/MAC CD
#2023072

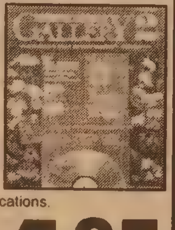
d-Time10 CD-ROM ACCELERATOR SOFTWARE

Tired of experiencing frustratating pauses while you wait for your slow CD-ROM drive to access data? The CD-ROM Accelerator Software d-Time10 uses the state of the art patent pending technology to make your CD-ROM as fast as your Hard drive.

$42.95

IBM CD-ROM
#2013611

GALLERY 2 FOR WINDOWS



The World's Best CD-ROM Clipart... And More!

In addition to 15,000 clipart images (5,000 new and 10,000 from Corel Gallery 1) Corel Gallery 2 also includes everything you need to easily create multimedia presentations and documents. Corel Gallery 2 is the ideal partner for all your word processing, desktop publishing and graphics applications.
- 15,000 Clipart images
- 500 fonts (TrueType and Type 1)
- 500 Photos • Sound Clips
- Video Clips
- Powerful Mulitmedia File Manager

$64.95

WIN
#2017246

Micro Logic PRINT MASTER GOLD CD-ROM For Windows™

The Most Complete Publishing Studio

The PrintMaster Gold CD Bonus Pack gives you everything you need to publish all the fabulous projects shown on this box and much more! You get an unbeatable combination of over 1800 gorgeous graphics, 145 scalable TrueType fonts, 1700 exciting special effects, and hundreds of beautiful, finished designs that are easily modified or printed as is. That's more publishing power than all the other 'printing' programs combined!

$29.95

WIN CD-ROM
#1963379

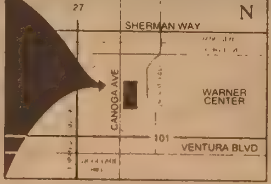
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!

Fry's ELECTRONICS

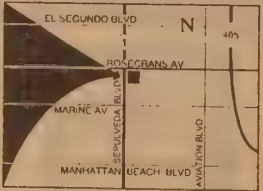
Prices Good Through August 15, 1995

Limit Rights Reserved Not Responsible for Typographical Errors.

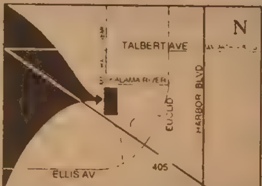
STORE HOURS
MON - FRI
8am - 9pm
SATURDAY
9am - 8pm
SUNDAY
9am - 7pm



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
FAX(818) 227-1010
P.O.s (818) 227-1025



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
FAX(310) 364-3737



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
FAX(714) 378-4444

MASTERCARD, VISA AND DISCOVER ACCEPTED

YOUR BEST CD-ROM SOFTWARE BUYS ARE ALWAYS AT FRY'S!

Microsoft® Office 4.2 for Windows™ Special Upgrade CD-ROM

Upgrade now for a special price. It's a great way to trade up from almost any popular program, including Microsoft® Excel, Word, PowerPoint®, WordPerfect, or Lotus 1-2-3. And you'll get much more than an incredible price. You'll get the most popular business products for Windows™.

$269⁹⁵

BM CD-ROM
#1897245

BORLAND C++ 4.5 Upgrade

The ultimate C and C++ development suite. Combines full Borland C++ 4.5 with local and SQL database access for dBase, Paradox, PowerBuilder, Oracle, Sybase, and more.

$194⁹⁵

IBM CD-ROM
#1978159

IBM OS/2 WARP 3.0

OS/2 WARP 3.0 offers you high-performance with low-memory on a 32-bit environment to run 'DOS, Windows and OS/2 applications. The new OS/2 warp 3.0 comes with an Internet connection software and the IBM Bonus Pack, a powerful collection of software word processing, fax/communications and much more.

$74⁹⁵

IBM CD-ROM
#1973844

MICROSOFT® WORKS 3.0 for Windows

Microsoft Works gives you the right tools for your business or personal needs- works processing, financial analysis, database management, charting, and illustration- the essential tools for easier every day computing.

$79⁹⁵

IBM
#1992388

Adobe Systems Incorporated PhotoShop 3.0 For Windows

Adobe PhotoShop™ is the world's leading photo design and production tool. With new support for layers and lighting effects, it hilps you create dazzling, professional-looking images.

$579⁹⁵

IBM
#1970911

***Receive a FREE copy of NetCruiser™ for Windows™ Internet Software with any other software purchase! NetCruiser™ available separately for a limited time for only $4.95.**

FREE*

IBM
#1934795

FileMaker Pro 2.1 For Windows™

CLARIS

New FileMaker Pro 2.1 For Windows is the one database that has the power and sophistication to effortlessly handle all your business needs. Whether you are a first time or experienced database user, you will be productive in minutes with FileMaker Pro 2.1.

$129⁹⁵

WIN
#1827923

SYMANTEC. NORTON ANTIVIRUS 3.0

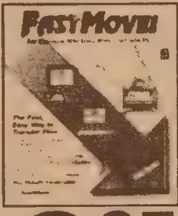
The Norton AntiVirus detects and eradicates every known virus, every class of virus, every type of viral activity- even the new class of Polymorphic viruses, including the Mutation Engine viruses. It is backed by the Norton Labs, the industry's most advanced antivirus research facility.

$99⁹⁵

IBM
#1852260

FastMove 1.0 For Windows™

TouchStone Software Corporation



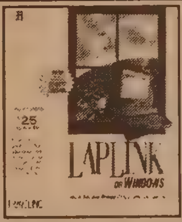
The Fast Easy Way To Transfer Files!
Features:
- Shows you which files need to be updated
- Scans each file for viruses
- Synchronizes PCs with up-to-date files
- Simple interface for problem-free transfers
- Selects just the files you want
- Includes Windows and DOS versions
- PLUS. PC-to-PC Transfer Cable

$49⁹⁵

IBM
#2020091

LAPLINK For Windows™

TRAVELING SOFTWARE



The best file transfer software is even better with this new windows™ version - simple and reliable. Features include:
- Full-featured remote control and file transfer.
- SpeedSync™ for the fastest modem file transfer
- Serial and parallel cables included.

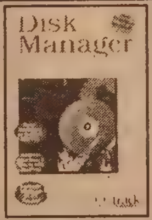
$129⁹⁵

IBM
#1943155

DISK MANAGER

Ontrack COMPUTER SYSTEMS

The Original Hard Disk Installation Utility for DOS



Features:
- Supports Drives up to 8 Gigabytes in capacity with 2 gigabytes per partition
- Easy, Advanced, or Custom Drive Installation
- Dynamic Drive Overlay
- Fast Preparation for IDE/SCSI Drives
- Includes a FastDisk Driver that allows you Windows™ 32-bit Access
- Complete Performance Diagnostics
- Optimize Drive Performance
- Detect Virus Activity

$39⁹⁵

IBM
#1981270

CAD Symbols

Imsi

IMSI CAD Symbols is a unique collection of true-to-scale, ready-to-use CADsymbols on CD-ROM. Use them with any CAD software that can read standard .DXF or . DWG formats. Choose from 29 categories within 6 industry specific groupings. Use the symbols as they are, or modify them for your specific needs.

$119⁹⁵

DOS/WIN
#2020448

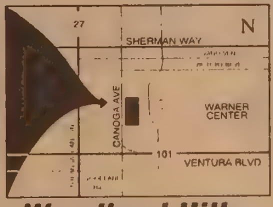
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!™

Fry's ELECTRONICS

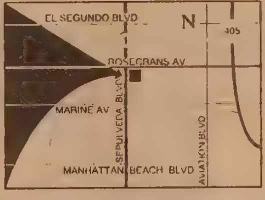
Prices Good Through August 15, 1995

Limit Rights Reserved. Not Responsible for Typographical Errors.

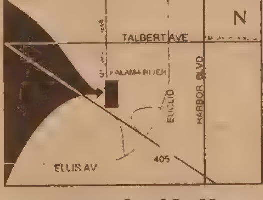
STORE HOURS
MON - FRI
8am - 9pm
SATURDAY
9am - 8pm
SUNDAY
9am - 7pm



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
FAX(818) 227-1010
P.O.s (818) 227-1025



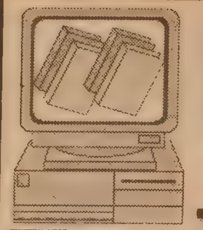
Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
FAX(310) 364-3737



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
FAX(714) 378-4444

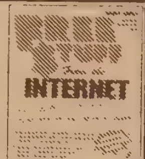
MASTERCARD, VISA AND DISCOVER ACCEPTED

DISCOVER NOVUS
VISA
MasterCard



Computer Books

FREE STUFF FROM THE INTERNET



With this book, you'll:

- Save hundreds of hours of connect time
- Get thousands of dollars worth of goodies absolutely free
- Discover the hottest new sites on the Internet and the World Wide Web
- Have the most fun possible with your computer on!

$15.95

#1995347

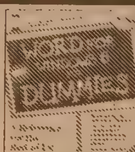
WINDOWS™ '95 FOR DUMMIES

Demystifies Windows™ '95, the hot new version of Windows™ that's heading for desktops around the world. Turn to Windows™ '95 for Dummies® for just the information you need to make your PC more efficient and a lot easier to use.

$15.95

#2038874

WORD FOR WINDOWS™ 6 FOR DUMMIES



Your first aid kit for formatting text and creating great looking documents. Explains, in plain English, what to do when bad things happen.

$13.95

#1940912

EXCEL FOR DUMMIES 2ND EDITION

The most up-to-date information on Excel 5 for Windows. the latest version of Microsoft's popular spreadsheet. Excel For Dummies. 2nd Edition leads you through Excel's powerful features. so you can impress everyone with your professional spreadsheets and reports.

$13.95

#2039565

Visual Basic 3 For Dummies VHS #1941980.... $15.95

Visual C++ 2.0 For Dummies VHS #2019086.... $15.95

QBasic Programming For Dummies VHS #1932634.... $15.95

MS Office 4 For Windows For Dummies VHS #1941795.... $15.95

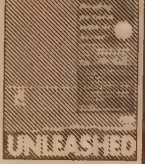
Mosaic and Web Explorer VHS #2015510....... $28.95

Netware For Dummies 2nd Edition VHS #2015521....... $15.95

AutoCAD For Dummies Release 13 VHS #2015369....... $15.95

Macworld Photoshop 3 Bible VHS #2007782....... $29.95

INTERNET UNLEASHED

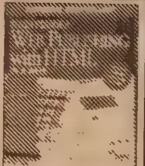


The Internet is so immense, so unfathomable in its depth and scope, that no one person, no one author can understand it all. With that in mind Sams Publishing has gathered over 40 of the world's Internet experts to contribute their experience, their insights, and their best tips and advice to what is now the ultimate guide to the Internet-The Internet Unleashed.

$34.95

#1992805

TEACH YOURSELF WEB PUBLISHING WITH HTML



If you want to create a home page, present information about products on the World Wide Web, or combine text, images, sound, and video in online Web creations, this book is for you. It's the easiest way to learn how to produce attractive, well-designed Web pages–and more–using Hyper Text Markup Language (HTML). With Teach Yourself Web Publishing, you'll quickly master HTML fundamentals and discover the best way to present information in this exciting new medium

$19.95

#2015543

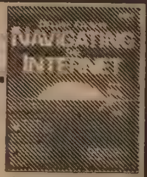
THE WORLD WIDE WEB UNLEASHED

A team of Web experts guides you through every aspect of the World Wide Web, highlighting sites of interest and discussing techniques for browsing, finding, and retrieving information. You'll explore the wide variety of browsers available for accessing the Web; develop skills in navigating and searching for subjects, keywords, and information spaces, and learn the fundamentals of weaving your own web.

$29.95

#2015554

DELUXE EDITION NAVIGATING THE INTERNET



- Learn to send e-mail anywhere in the world
- Discover how to download free files with FTP
- Master powerful Internet search utilities such as WAIS, Archie, and Gopher
- Browse the world's museums and exhibits online with WWW and Mosaic
- Explore the possibilities of using the Internet for business
- Expanded Internet Navigator's Gazetteer now gives you listings of more than a thousand newsgroups and other Internet resources.

$24.95

#1995750

Teach Yourself Game Program In 21 Days #2015783... $29.95

Teach Yourself Borland C++ 4.5 In 21 Days #2015738... $24.95

Teach Yourself C In 21 Days #1883341... $19.95

Excel 5 Super Book With Disk #1937525... $31.95

Plug And Play Internet #2015532..... $29.95

OS/2 Warp Unleashed #2015598..... $32.95

Windows NT Unleashed Second Edition #2020921..... $31.95

Tricks Of The Internet Gurus #2015532... $29.95

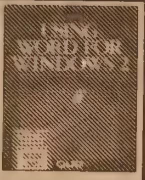
USING MICROSOFT® OFFICE SPECIAL EDITION

This special edition takes readers through the basics, then explains how to integrate the programs and share information for increased productivity.

$21.95

#1941979

USING WORD FOR WINDOWS™ 2 Second Edition

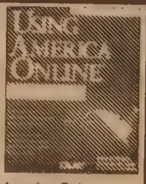


Improve your word processing performance with macros and customization strategies. Discover great page layout, typography, and design techniques. This book reveals all the power-packed secrets.

$21.95

#1848447

USING AMERICA ONLINE SECOND EDITION



This book shows you how to save time and money- before you log on. Discover how to get started with the America Online software, how to find your way around the Windows or Macintosh screen, and how things like chat rooms and forums work. You can efficiently write E-mail offline, download software, chat with other members, and use AOL's new Internet services.

$15.95

#1993013

USING OS/2 WARP VERSION 3 SPECIAL EDITION

- Discover how to take advantage of OS/2 Warp's full 32-bit support. Internet connectivity utilities, and more
- Get productive with in-depth, exclusive coverage of the features of Version 3
- Master OS/2 Warp's advanced features and commands.

$24.95

#1990294

Using Excel For Windows™ #1879610............ $29.95

Using PowerPoint 4 For Windows™ #1941968......... $21.95

Easy Microsoft® Office #2026916...... $19.95

Using WordPerfect 6.1 For Windows™ #2016005......... $24.95

Easy Works 3 For Windows™ #2015912.............. $15.95

Using Excel 5 For Windows™ Special Edition #1954403.... $29.95

Using Visual Basic Apps #1996485......... $24.95

Visual Basic 3 By Example With Disk #1996485.. $24.95

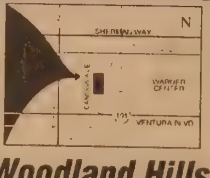
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!®

Fry's ELECTRONICS

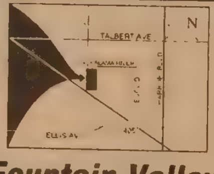
Prices Good Through August 15, 1995

Limit Rights Reserved. Not Responsible for Typographical Errors.

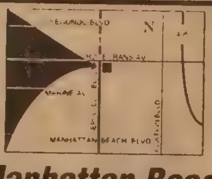
STORE HOURS
MON - FRI
8AM-9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
CORP. FAX (818) 227-1010
P.O.'s (818) 227-1025



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
CORP. P.O. FAX (714) 378-4444



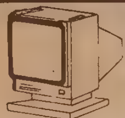
Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
CORP. P.O. FAX (310) 364-3737

DISCOVER NOVUS
VISA
MasterCard

DISCOVER, VISA AND MasterCard ACCEPTED

Accessories

GLARE FILTER FOR 14" MONITORS



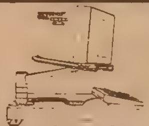
- Reduces eye strain when working under florescent lighting
- Enhances screen sharpness and contrast

$4.99

#1620212

MicroComputer Accessories, Inc.
A Rubbermaid Company

Monitor Arm



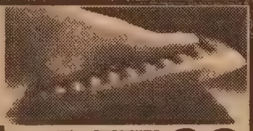
Supports up to a 40lbs monitor, provides range of motion and frees desk space.

$79.99

#106933

MicroComputer Accessories, Inc.
A Rubbermaid Company

Comfort Tread Footrest

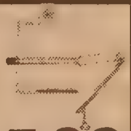


Our Comfort Tread Footrest is indispensable for providing welcome support for your lower limbs! Easy hands-free tilting lets you position the footrest at an angle best for you. And, if you slip your shoes off, our ingenious tread bumps will massage tired tootsies!

$17.99

#1716803

CopyFlex Copy Holder



- Clamps to any surface with 1 7/8" overhang
- Fully adjustable for viewing comfort

SRW®

$14.99

#1760204

Corex

CARD SCAN PLUS

- Automatically Scans, Reads, and Files Business Cards with No Typing
- Scan directly into ACT! or other contact managers.

$189

#2001410

MicroComputer Accessories, Inc.
A Rubbermaid Company

KEYBOARD STORAGE DRAWER

Drawer tucks away when keyboard's not in use, elevates the monitor to reduce neck strain, plus padded wrist rest doubles as storage compartment.

$29.99

#1543656

MOUSE DOCTOR CLEANING KIT

Includes wipes, swabs and dust doctor comes of to clean your mouse and get it tracking like new.

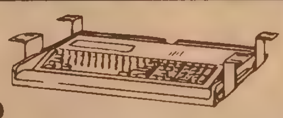
ACI
American Covers Inc.

$7.99

#1487639

LOST FOR SPACE?

UNDERDESK KEYBOARD DRAWER



Space saving way to hold keyboard securely under the desk or counter.

$9.99

#1695827

MULTISHARE

The most flexible and advanced modular printer sharing system. It enables up to 24 PCs to share up to 8 printers over a distance of 1,200 feet, via telephone wire. Data transfer rate of 180K bps. Collision Avoidance Technology.

$59.99

#1787827

MULTISHARE TRANSMITTER FOR PC

- Expands to 24 PCs
- Shares up to 8 Printers
- Extends up to 1,200 ft.
- Uses inexpensive phone wire
- Concurrent Printing among Users
- Hardware or Software Printer Selection

#1787838

$39.99

HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!®

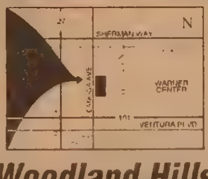
Fry's ELECTRONICS

Prices Good Through August 15, 1995

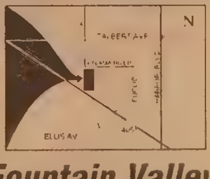
Limit Rights Reserved
Not Responsible for Typographical Errors.

STORE HOURS
MON - FRI
8AM-9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM

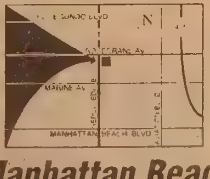
CORPORATE P.O. FAX #



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
CORP. FAX (818) 227-1010
P.O.'s (818) 227-1025



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
CORP. P.O. FAX (714) 378-4444



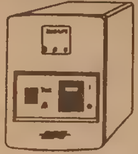
Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
CORP. P.O. FAX (310) 364-3737

DISCOVER NOVUS
VISA
MasterCard

DISCOVER, VISA AND MasterCard ACCEPTED

SURGE PROTECTORS!

APC
AMERICAN POWER CONVERSION



BACK UPS 600

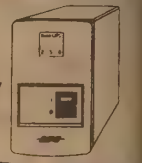
- 600 VA Backup Power Supply
- Self test switch
- Alarm test switch
- Built in surge protector
- Power Supply • 4 Outlet
- EMI/RFI filtering
- 10 Minutes Back-Up At 600VA

#1651197

$299

APC
AMERICAN POWER CONVERSION

BACK UPS 250
UNINTERUPTABLE POWER SUPPLY



Modified Sine wave output safer for all equipment types than square wave

- 250 Volt/AMP Backup Power Supply
- 2 Outlet
- EMI/RFI filtering
- 10 Minutes Back-Up at 250VA

#1651164

$97

SL WABER, INC.
A Subsidiary of SL Industries, Inc

5-OUTLET POWER CENTER
WITH FAX/MODEM PROTECTION

- Lighted LED indicators
- 420 joules dissipation
- EMI/RFI noise protection
- $5000 equipment guarantee

DGPC
#1953952

$49 99

Interex
Computer Products

POWER CENTER WITH FAX MODEM PROTECTION

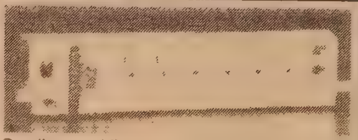
- 5-outlet surge protector
- 5 individual controls
- Lighted master on/off switch.

#1976456

$18 99

TRIPP LITE

SUPER SURGE ALERT SURGE SUPPRESSOR

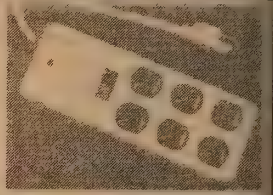


Protect your sensitive equipment from devastating AC spikes and line noise. The super surge protection is so effective, we insure your connected equipment against surge damage, even direct lightning strikes, for life! 6 outlets and 6' cord.
UL approved.
#1851018

$34 99

KENSINGTON.

6-OUTLET SURGE PROTECTOR



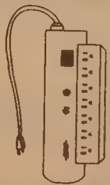
- 420 Joules

62163
#1956542

$29 99

APC
AMERICAN POWER CONVERSION

7-OUTLET SURGE ARREST



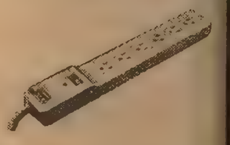
- 240 Joules Dissipation
- Site fault wiring indicator
- Reduce Intermittent Lock Ups and Parity Errors With EMI/RFI Filtering

#1651256

$18 99

KENSINGTON.

POWERTREE 10 6-OUTLET SURGE PROTECTOR



- Suppresses Surges up to 120 Joules
- 15 AMP Circuit Breaker
- PlatinumColor
- 6-outlets

#1423578

$12 99

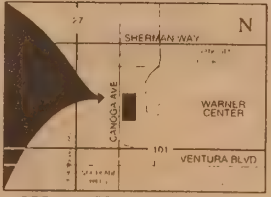
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!℠

Fry's ELECTRONICS

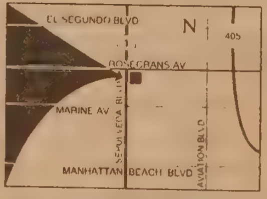
Prices Good Through August 15, 1995

Limit Rights Reserved. Not Responsible for Typographical Errors.

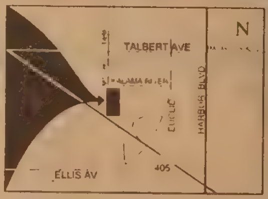
STORE HOURS
MON - FRI
8am - 9pm
SATURDAY
9am - 8pm
SUNDAY
9am - 7pm



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
FAX(818) 227-1010
P.O.s (818) 227-1025



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
FAX(310) 364-3737



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
FAX(714) 378-4444

MASTERCARD, VISA AND DISCOVER ACCEPTED

We're at your side.

brother

THE WORLD'S BEST FAX MACHINES

THE WORLDS BEST FAX MACHINES

We're at your side.

brother

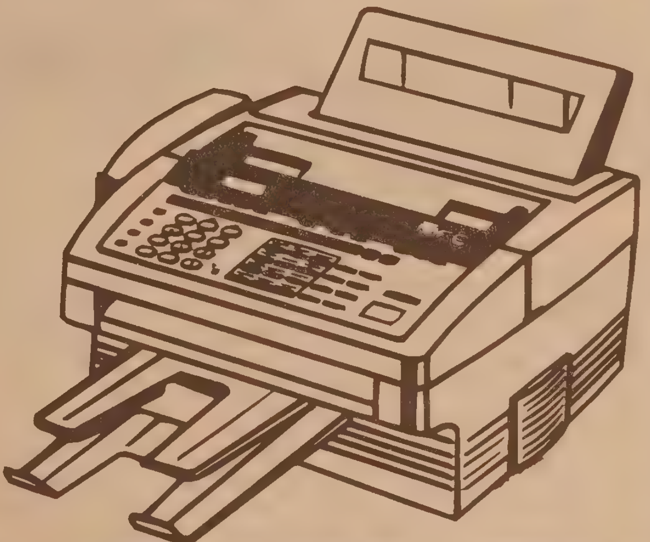
MULTI-FUNCTION LASERFAX MACHINE

LASER MULTI-FUNCTION CENTER

MFC

FIVE IN ONE

FAX • PRINTER • COPIER • SCANNER • FAX MODEM



The Brother MFC-4500ML five-in-one multi-function center integrates five separate products into one compact desktop package! Fax features include 512K memory for 20 pages of document storage either for broadcasting or out-of-paper reception (upgradable to 70 pages/1.5MB), 200 sheet paper tray, 64 level grayscale, 124 number memory, and much more! As a printer for your computer this machine provides 300 x 300 dpi laser 6 page per minute output as well as 512K memory (expandable to 20MB), Optimized Windows driver, Intelliprint, 45 internal fonts, and Power save mode. Other features include multiple copying up to 99 copies with reproduction/enlargement capabilities, 200 x 400 dpi scanner with Windows PC and fax/modem. The ultimate fax machine for home or office is now available for just...

$999

Model MFC-4500
#2002145

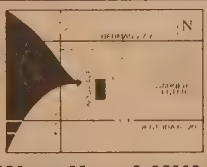
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!™

Fry's ELECTRONICS

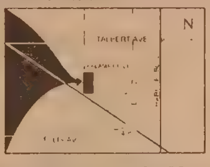
Prices Good Through August 15, 1995

Limit Rights Reserved Not Responsible for Typographical Errors

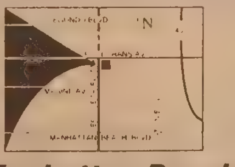
STORE HOURS
MON - FRI
8AM-9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
CORP. FAX (818) 227-1010
P.O.'s (818) 227-1025



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
CORP. P.O. FAX (714) 378-4444



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
CORP. P.O. FAX (310) 364-3737

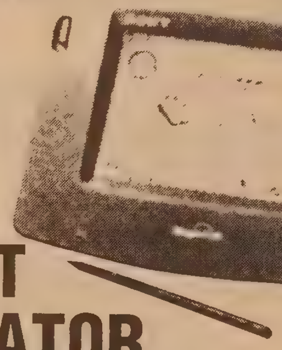
DISCOVER, VISA AND MasterCard ACCEPTED

GET ORGANIZED
AT FRY'S ELECTRONICS

PERSONAL COMMUNICATORS

SONY.

Magic Link



PERSONAL INTELLIGENT COMMUNICATOR

A revolutionary concept in electronics which integrates the most useful features of personal computers, telephones and pagers in a handheld, portable unit. By incorporating Magic Cap™ communicating applications platform and Telescript™ technology, the Magic Link™Communicator represents a leap forward in the use of technology to enhance your lifestyle. Features include integrated Fax/Data Modem built-in mic/speaker, Pocket Quicken, PenCell Spreadsheet, Spell Finder, Datebook, Notebook, Calculator, File Cabinet, mind game software, and much more. Magic Link™ will also facilitate various modes of communication including Phone, E-mail, Fax, Pager and Infrared, as well as supporting AT&T PersonaLink℠ Services and America Online service.

$599

Model PIC-1000
#1959305

PALMTOP COMPUTERS

PSION SERIES 3

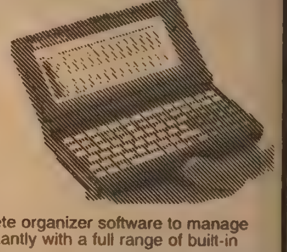
POCKET SIZED 512K COMPUTER
WITH BUILT-IN SPREADSHEETS

Psion has redefined the state of the art in hand held computers with the new Series 3. It may be small. but this pocket-sized programmable computer comes equipped with features found in desktop machines plus powerful built-in software, including a full specification word processor and outliner that's compatible with Microsoft word. When using the Series 3 you will quickly learn from the system of graphic displays and option list how easy the Series 3 is to use. And with Psion's unique Multitasking Operating System. as many of the facilities as you want can be used at the same time! Other features include an automatic phone dialer.world information. a time and personal management file powerful graphics programming language (OPL/w) which will enable you to write your own applications and two expansion ports for plug in SSD devices for unlimited memory and software.

$399

Model SERIES 3A
#1843567

HEWLETT PACKARD
Authorized Dealer



1MB PALMTOP COMPUTER
WITH 80x25 FULL SCREEN MS-DOS 5.0 & BUILT-IN POCKET QUICKEN

The smallest, lightest HP PC ever comes equipped with complete organizer software to manage your time, tasks and data, plus you can retrieve information instantly with a full range of built-in personal productivity tools. The pull-down menus and dialogue boxes make it simple to master the familiar commands, and the high-resolution display with zoom option is easy to read ! With Lotus 1-2-3 built-in you will have full spreadsheet capability, including graphics and macros. Also includes CC:Mail built-in. Now only...

$498.99

Model HP-200LX
#1941670

PCMCIA 1.5MB FLASH MEMORY CARD

For HP Palmtops
Maxtor 1.5MB

Maxtor

$129.99

Model Mobile MAX
#1979758

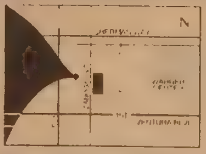
Fry's ELECTRONICS

HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!®

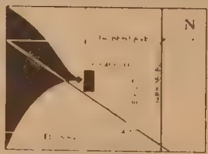
Prices Good Through August 15, 1995

Limit Rights Reserved. Not Responsible for Typographical Errors

STORE HOURS
MON - FRI
8AM-9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
CORP. FAX (818) 227-1010
P.O.'s (818) 227-1025



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
CORP. P.O. FAX (714) 378-4444

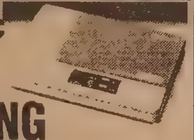
Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
CORP. P.O. FAX (310) 364-3737

DISCOVER, VISA AND MasterCard ACCEPTED

YOUR BEST PANASONIC HOME OFFICE BUYS ARE ALWAYS AT FRY'S

ANSWERING MACHINES

Panasonic



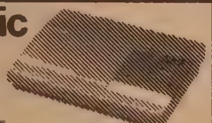
ANSWERING MACHINE

Answering System with Auto-Logic Operation, Tone Remote Control, Digital Display, Message Memo Recording and remote turn on, Auto-Logic Operation automatically rewinds, plays messages, stops at the last message and resets itself at the touch of one button.

$44.99

Model KX-T1000
#1498194

Panasonic



DUAL MICRO CASSETTE ANSWERING SYSTEM

WITH VOICE TIME/DAY STAMP

Panasonic's new dual micro cassette answering system offers an LCD Call Counter, marker message, room monitor, auto disconnect, electronic auto disconnect, electronic volume control, audible message alert, and much more for only...

$79.95

Model KX-T5100
#2043285

Panasonic

TWO LINE ANSWERING MACHINE

WITH VOICE TIME/DAY STAMP

Perfect for the home or office, this Panasonic two line answering machine offers voice time/day stamp, voice prompts, 2 variable greeting messages, room monitoring, message alert, call screening, auto interrupt, toll saver, and more. Now just...

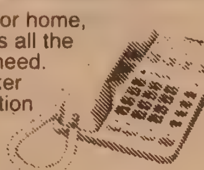
$129.95

Model KX-T5300
#1768084

OFFICE PHONES

Panasonic

SPEAKERPHONE



For the office or home, this phone has all the features you need. It has a speaker phone, 28 station automatic dialer, automatic redial and much more.

$49.95

Model KX-T2315
#1530100

Panasonic

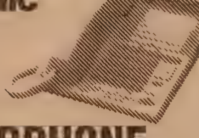
TWO LINE SPEAKERPHONE

A perfect compliment to your home or office, this two-line speakerphone comes equipped with 3-way conferencing, 20 number programmability, seperate ring switches for each line, and a local mode function. Now only...

$68.95

Model KX-T3120
#1510676

Panasonic



TWO LINE SPEAKERPHONE

WITH LCD DISPLAY

From Panasonic comes this fully featured 2-line speakerphone with LCD display, 3-way conference call, volume control for speaker and handset, 24-station one-touch dialer, auto redial, flash, separate ringer tone, line status indicator, memo dial, and save redial, all for only...

$89.95

Model KX-T3175
#1745122

900MHz CORDLESS PHONE

Panasonic

30 CHANNEL PALM-SIZED EXTENDED RANGE 900MHz CORDLESS PHONE

This Panasonic 900MHz cordless phone features a unique palm-sized design with lighted keypad, 30 channel access, high gain rubber antenna, reversible handset, sound charger, noise reduction technology, and more, all for just....

Model KX-T9500
#1948839

$199.95

PLAIN PAPER FAX MACHINE

Panasonic

PLAIN PAPER FAX MACHINE WITH 20 PAGE MEMORY

The ultimate plain paper fax from Panasonic features a jumbo LCD display, 70 page paper cassette, adjustable letter /legal tray, 32 level halftones, polling, activity reporting, 20 page document feeder, broadcasting to 128 locations, fax transfer, enlargement and reduction copier functions, fax/tel switch, 28-station one-touch dialer, 100-station speed dialer, telephone directory with alpha-search, and much more! Now just.....

Model KX-F3000
#1850626

$598

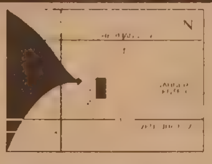
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!™

Fry's ELECTRONICS

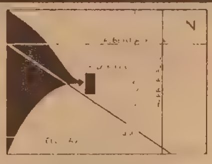
Prices Good Through August 15, 1995

Limit Rights Reserved. Not Responsible for Typographical Errors.

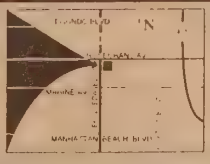
STORE HOURS
MON - FRI
8AM-9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
CORP. FAX (818) 227-1010
P.O.'s (818) 227-1025



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
CORP. P.O. FAX (714) 378-4444



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
CORP. P.O. FAX (310) 364-3737

DISCOVER, VISA AND MasterCard ACCEPTED

THINK FRY'S FIRST
FOR HOME OFFICE
SERVICE, SELECTION & SAVINGS

SPEAKERPHONES

GENERAL ELECTRIC

TWO-LINE TELEPHONE

This ingenious telephone uses dual ringers with distinct ringer sounds and seperate ringer controls for each line! By pressing the conference button you will be able to conduct a three way conversation. An excellent value at only..

$\$39^{95}$

Model 2-9320
#1674277

AT&T

SPEAKERPHONE

AT&T's popular speakerphone comes equipped with 12 number memory, redial, ringer adjust, mute, flash, and receiver volume control (a helpful feature for those who are hearing impaired or in a noisy environment). Now just..

$\$49^{95}$

Model 706
#1781315

AT&T

SPEAKERPHONE

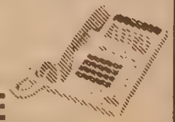
With features like hands-free speakerphone. 32 number memory, hold. receiver and speakerphone volume control. last number redial. flash. ringer control. programmable pause. mute. just to name a few. this AT&T speakerphone will be an excellent addition to any home or office at only...

$\$49^{99}$

Model 825
#1955046

Panasonic

TWO-LINE SPEAKERPHONE



A perfect compliment to your home or office, this two-line speakerphone comes equipped with 3-way conferencing, 20 number programmability, seperate ring switches for each line, and a local mode function. Now only…

$\$68^{95}$

Model KX-T3120
#1510676

MULTI-LINE PHONES

GENERAL ELECTRIC

TWO-LINE TELEPHONE

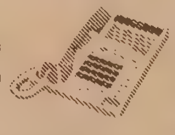
This ingenious telephone uses dual ringers with distinct ringer sounds and seperate ringer controls for each line! By pressing the conference button you will be able to conduct a three way conversation. An excellent value at only…

$\$39^{95}$

Model 2-9420
#1674288

Panasonic

TWO-LINE PHONE



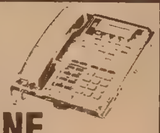
A two line phone doesn't have to cost a fortune. Panasonic has the low cost answer for you. This unit has a convenient auto dialer, conference calling and much more!

$\$69^{95}$

Model KX-T3110
#1505313

AT&T

THREE-LINE SPEAKERPHONE



AT&T's multi-functional centrex compatible 3-line speaker -phone comes equipped with page, intercom, 3-way conference, LCD display, 40 number memory, auto line selection, hold, do not disturb function, auto redial, mute, programmable pause, call transfer, flash, seperate ringer controls, and more, all for only....

$\$179^{95}$

Model 843
#1853892

GENERAL ELECTRIC

FOUR-LINE SPEAKERPHONE

This deluxe four-line speakerphone is capable of handling up to four lines with a maximum of 16 stations. Its convenient 32 number one-touch telephone memory, along with all station page, intercom, call transfer, busy redial, flash and much more make this the perfect addition to any home or office at just

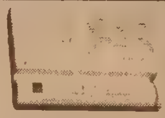
$\$149^{95}$

Model 2-9450
#1768637

ALL DIGITAL ANSWERING MACHINES

CONAIR

ALL DIGITAL ANSWERING MACHINE



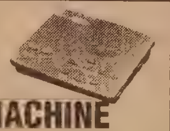
Conairs fully digital answering machine allows you to avoid the hassle of constantly rewinding and fast forwarding tapes typically found in answering machines, within seconds you can skip forward of backwards to the message of your choice! Features include tone remote control, ring select, flashing message counter, call screening, auto disconnect, vox, and much more, Now just..

$\$34^{99}$

Model TAD-1200
#1978539

GENERAL ELECTRIC

ALL DIGITAL ANSWERING MACHINE
WITH THREE MAIL BOXES



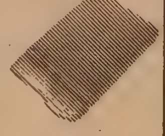
With three mailboxes to choose from, members of the household can have messages stored for them in their own mailbox! The all digital capability eliminates the need for moving parts and allows for instant playback of incoming messages-no need to wait for a tape to rewind or fast forward! Other features include voice time/day stamp, two outgoing messages, digital counter, selective message erase and much more for only…

$\$59^{95}$

Model 2-9876
#1839261

SONY.

ALL DIGITAL ANSWERING MACHINE
WITH TIME/DAY STAMP



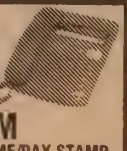
This innovative Sony all digital answering machine features a slim space saving design which allows a phone to be placed on top of it. Other features include variable-speed playback, voice time-day stamp, digital message counter, audiblle message alert, and more. Now just...

$\$99^{95}$

Model TAM-2000
#1949793

Panasonic

ALL DIGITAL 4 MAILBOX ANSWERING SYSTEM
WITH SPEAKERPHONE & VOICE TIME/DAY STAMP



Panasonic's fully featured answering system comes equipped with 30 minute storage capacity, voice time/day stamp, speakerphone, voice menu, 4 personal mailboxes with security, lcd display, message scan, programmable alarm, message transfer 2-way record, selective message delete, message skip/repeat, auto disconnect, auto redial, 10 number memory, and much more! An invaluable addition to any home or office at just

$\$199^{95}$

Model KX-T2880 #1841989

900 MHz CORDLESS PHONES

GENERAL ELECTRIC

100 CHANNEL AUTO SCAN 900MHz CORDLESS PHONE

By combining 100 channel auto scan (which allows the phone to lock-on-to the channel that is getting the clearest signal) and 900 MHz crystal clear technology (for improved clarity and extended range), GE has developed the ultimate cordless phone! Other features include 10 number memory, page/find from base to handset, handset volume control, distinctive ring, and more. An excellent value at.

$\$149^{99}$

Model 2-9910
#1923425

muratec

60 CHANNEL ULTRA LONG RANGE 900MHz CORDLESS PHONE

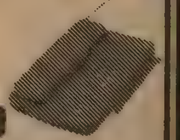
Compact in design, but powerful in performance, this 60 channel, long range 900MHz phone offers 10 number speed dialer, last number redial, flash, intercom/paging, mute, and much more. Now just...

$\$199^{95}$

Model CP-900
#1986611

VTECH

DIGITAL 900MHz DUAL KEYPAD SPEAKERPHONE



From VTech a leader in 900MHz cordless phone technology come this feature packed unit with 20 channel selection, a digital voice encryption system, out-of-range indicator, four programmable ringer types, one-way page, 10 number memory, mute, flash, hold, and last number redial all for the incredible price of only....

$\$199^{95}$

Model 900DX
#1852972

HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!™

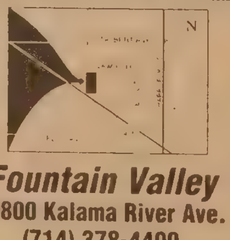
Fry's ELECTRONICS

Prices Good Through August 15, 1995

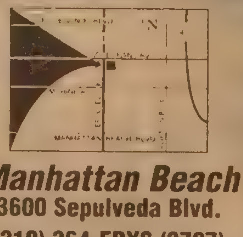
Limit Rights Reserved. Not Responsible for Typographical Errors.

STORE HOURS
MON - FRI
8AM-9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM

Woodland Hills
6100 Canoga Ave.
(818) 227-1000
CORP. FAX (818) 227-1010
P.O.'s (818) 227-1025



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
CORP. P.O. FAX (714) 378-4444



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
CORP. P.O. FAX (310) 364-3737

DISCOVER NOVUS
VISA
DISCOVER, VISA AND MasterCard ACCEPTED

EXPERIENCE THE REVOLUTION OF

DIGITAL TV

- LASER DISC QUALITY VIDEO
- CD QUALITY DIGITAL AUDIO
- OVER 150 CHANNELS OF ENTERTAINMENT

RCA

DSS
DIGITAL SATELLITE SYSTEM

DIRECTV.

JUST A SAMPLE OF WHAT'S AVAILABLE!

Discovery
ESPN
TNT
C-SPAN
CARTOON NETWORK
Bloomberg
TRIO
TNN
CNN INTERNATIONAL
CNBC
The Disney Channel
COURT
USA NETWORK
CNN
E!
MIRAMAX
UNIVERSAL
TRAVEL
TBS
CMT
A&E
TRISTAR PICTURES
C-SPAN2
Walt Disney Pictures

USSB

USSB OFFERS

5 HBO CHANNELS
3 SHOWTIME CHANNELS
2 "THE MOVIE" CHANNELS
3 CINEMAX CHANNELS
AND MORE

Multi-Channel HBO
MTV MUSIC TELEVISION
SHOWTIME EAST WEST
SHOWTIME 2
VH1
THE MOVIE CHANNEL
Multi-Channel Cinemax
ALL NEWS CHANNEL
Comedy Central
LIFETIME
FLIX
NICK AT NITE

RCA

DIGITAL SATELLITE SYSTEM (DSS) DISH AND RECEIVER

Enjoy over 150 channels of top-notch entertainment with the crystal, digital clarity of the new RCA DSS system. CD quality sound and over 400 lines of video resolution, provide an incredible entertainment experience. Let Fry's and RCA help you drive on the Information Superhighway!!!

MODEL DS-1120WR
#1942578

$698

RCA

ADVANCED DIGITAL SATELLITE SYSTEM (DSS) DISH AND RECEIVER

Enjoy over 150 channels of top-notch entertainment with the crystal, digital clarity of the new RCA DSS system. CD quality sound and over 400 lines of video resolution work together to give an outstanding home theatre experience. This advanced DSS unit will allow you to hook up and additional IRD/ Decoder (Optional purchase) on a second TV.

MODEL DS-2430WR
#1942589

$898

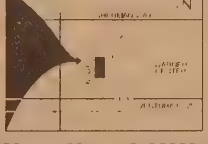
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!™

Fry's ELECTRONICS

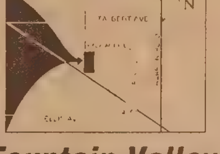
Prices Good Through August 15, 1995

Limit Rights Reserved. Not Responsible for Typographical Errors

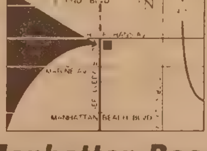
STORE HOURS
MON - FRI
8AM-9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM



Woodland Hills
6100 Canoga Ave.
(818) 227-1000
CORP. FAX (818) 227-1010
P.O.'s (818) 227-1025



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
CORP. P.O. FAX (714) 378-4444



Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
CORP. P.O. FAX (310) 364-3737

DISCOVER NOVUS
VISA
MasterCard

DISCOVER, VISA AND MasterCard ACCEPTED

stand who is going to be working on your case, just as carefully as you would in any close personal relationship.

So should the bright young garage guys just go to Sand Hill Road and hang out and hope for the best?

Well, personally, I think they should get on the Net and Pursue the Irresistible! *[laughs]*

Well, okay, after they've hung out on your Web site and spent money they don't have because they're not funded yet!

Well, what should they do?

The first thing is to be realistic about the value of your idea. The VCs will tell you about the value of your idea. You need to listen to the people around you. I find a lot of potential entrepreneurs are so in love with their idea that they're blinded to their true risks and challenges.

Others really are in it because they like to prove that they can run a big company, and if you're not prepared to step aside or bring in the critical talents that are needed when they're needed, you will not succeed.

A third factor is that a lot of people think that they don't want to give up a lot of equity. But the truth is, even when you take in a minority investor, you effectively give up control of your company. Because once you have an investor, you have a legal and moral obligation to manage the company in the interests of the stockholders as a whole, and not your own interests. A lot of people think that having control has to do with owning more than 50% of the company, and that's not true. The only way to retain control is to own 100% of your company.

The other thing to recognize is that in building a company you're really assembling a collection of resources and stirring them in a pot, all of which are necessary and all of which will be paid for or compensated in proportion to their natural value to your organization. And that there are perfectly legitimate times when a person might have an idea, go to a VC, and give up 90% of their company, because the value that's provided by the VC may be 90% of the value.

Ultimately, as I learned from Dave Liddle, one of the most insightful and brilliant people in the industry, you either wind up with the right share for what you've done or you wind up with nothing because there was some imbalance in distribution of rewards that would cause the entire operation to collapse.

You witness the history of such bad deals as the Visicorp-Software Arts deal—their inability to restructure a poorly crafted agreement really was one of the major reasons for the success of Lotus Development Corporation.

Because its competitor was in disarray at a strategic time?

Right, and because the partners were working at cross purposes.

Are there any things you would have done differently, knowing what you know now?

Oh, absolutely. I would have turned left when I turned right, I would have swung when I ducked... There were lots of things I would have done differently.

I think, perhaps to my detriment, that at the ripe old age of 43, I would not have had the energy nor the, perhaps, recklessness to undertake something like the establishment of the pen computing paradigm.

A friend of mine, one of my colleagues at GO, used to say that software is a young man's game. While I think I've chosen a very different kind of battle this time, I think there's something to be said for his point of view.

I've also heard that startups are a young man's game

I'm beginning to believe it. I haven't gotten much sleep lately. It's busy.

So tell us about OnSale.

Well, the story of OnSale is a very interesting one. We're right now writing the most fascinating chapter, whose outcome is yet to be fully determined.

My partners are Razi Mohiuddin and Alan Fisher. Alan and Razi run a product development and marketing shop called Software Partners. They've been in business for about eight years; they've done a number of very successful products. They're direct marketers of their products, for the most part; the most visible is probably Street Smart, which was not directly marketed, but is the Windows and Macintosh front end to the Charles Schwab trading system. They're very, very good classical application developers, and they now have a team of about twenty people over here.

I talked to them about a year ago—actua this is in the book. It's funny, it's coming tr exactly the way we talked about it. They we interested in where else they might apply th technology that they'd developed in Stre Smart, and we began to talk about electron markets, why they worked and why they did work.

We came to a certain point of view abo them, particularly with respect to the Intern that each new medium, which I believe t Internet is, like radio or television or pri media, creates some new characteristic way selling that exploits its unique advantages, se to a very particular demographic, and is best f certain classes of goods.

To date on the Internet, most of what I w seeing was people simply taking catalog conte and repurposing that online. It only takes a fe minutes to discover just how boring that is. has few advantages over its paper counterpa and numerous disadvantages. As a result, selli on the Internet, or selling electronically, has go ten a lackluster reputation.

I sat down with my partners to think abo what unique ways of selling might be done the Internet, and I believe we've identifi some—we have at least a reasonable hypothes about how you might use that medium in much more effective way.

Every form of retailing is embedded in som kind of entertaining or educational experien that creates a positive emotional experience f the buyer. That's what brings people back, a that's why they buy. Somebody recently said me that if everybody who went to the store sin ply bought what they thought they were goi there to buy, retailing would be dead and there be no malls at all.

So people obviously had their intere sparked by having a positive shopping expe ence.

What are these elements that are importa on the Internet?

Well, first of all, the fact that prices and ava ability can change instantly. So we designed series of techniques to create a fast-action sort entertaining financial market, with a couple formats that we selected initially that allow pe ple to play what amounts to a game in the cour of buying their goods. I don't mean like a vide game; I mean like a poker game, a game whe they have to decide whether to buy now, at wh price they want to buy it, what strategy to take.

MICROSOFT.
WINDOWS.

PowerPC™

Mac™OS

IBM®

Have it your way at Mac Universe!

Mac Universe is dedicated to serving your needs with the fastest desktop computers available. We have the experience and the selection necessary to keep your company competitive now and into the 21st Century. Our full service dealership offers you the best in selection, installation, training, service and price. We are experts at integrating Macintosh and Windows computers into seamless networks. Over 2,000 software titles, monitors, printers, accessories and supplies. Come see and experience the difference a quality dealer can make in your business.

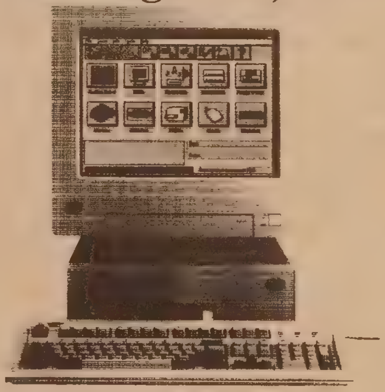
Starting at $4,995

132 mhz Version Also
Starting at $5,799

NEW! $2,195
12mb Hard Disk 500 cpu/dos

Motorola 68LC040-66/33Mhz
and
Intel 486DX2-66Mhz processors
Complete System w/software,
monitor, keyboard, fax modem.

Starting at $3,195



IBM PowerSeries 830

PowerPC™
Headquarters

Authorized Reseller and Service Provider	IBM® **Authorized Dealer**
800-974-4622 818-609-7012 818-609-9359 Fax 818-609-0130 BBS	

Mac Universe™ Since 1989

Famous for Macintosh and More™...
19100 Ventura Blvd • Tarzana, CA.
Mon. - Fri 10 to 6 • Sat. 10 to 5 • Sun. 12 to 5

PowerPc, Mac OS, Performa and Macintosh are Trademarks of Apple Computer Inc. The IBM logo is a trade mark of IBM, Inc. Prices may change.

We've carved out an area where we have limited-quantity goods—they may be collectibles such as fine wines, fine watches; we have cruises we're selling; tickets to events; posters; or closeouts—right now we have Apple computers that we're closing out. The common characteristic of those goods is that they are available only in limited quantity.

Then we put them up in this fast-action market format, where people can see how many we're selling, they can gauge the interest of other people, how many other people have bought. Then when they bid or buy, their initials, city, and state or country come up on the screen.

It creates a sense of community, which as you know is a key advantage of electronic media. People have the sense that they're right here, right now...

And they WANT that gold-plated Elvis and they want it now!

Damned if that doesn't happen. I got an email last week from a fellow in Japan. He was bidding on a 1939 bubble-back Rolex watch. I believe it was the first self-winding watch. This is a classic. It actually went for $3100 on Friday—just to give you an idea what's going on here.

This guy wrote to me and said, "God help me, I must own this watch! But every time I bid, MK of Weston, Massachusetts, immediately tops my bid. What can I do?"

The perfect OnSale customer! Our tag line is, "Pursue the Irresistible." That's what this is about.

It is plausible that we have created a place that people go, where they are entertained, where it's fun, and where they become enticed into purchasing special kinds of items that are of interest to them.

The second thing that we did that's different is instead of running around to the usual retailers—Land's End, Tower Records, Sony Music and Tapes, whatever, that you see everywhere all over the Net—we have targeted the demographic on the Net with a very particular class of goods: items of discretionary interest, primarily, to relatively well-off technical males.

We're seeing a surprising amount of activity in high-ticket items, which, like the gentleman in Japan, people just simply cannot resist.

How long have you been up, and how many hits have you had?

We've been up for three weeeks; the first week was a test, with a charity auction for the Computer Museum. During that week, we had probably about twenty-five thousand visitors. That's not hits; a lot of people quote hits, and that's kind of a phony figure.

Most Web page retrievals require multiple "hits"—independent requests to the server for information. Commonly, there is one hit for the main text of the page, which may embed other references (commonly images), each of which is a separate hit. Depending on how you design your pages, what the customer thinks of as one retrieval may be ten or more hits.

Furthermore, the number of pages at a site visited by a given individual may vary greatly.

It's easy to mislead the uninitiated by stating that your site gets "five hundred thousand hits a day," which could mean fifty thousand page retrievals, and two thousand people visiting, if they each look at twenty-five pages on average. Two thousand doesn't sound as good as half a million...

We had about twenty-five thousand visitors during that week, and we raised about $30,000 for the museum.

Now I don't really want to say how much traffic and what's been happening since then, but we are very pleased with the sales and the visits we've been getting.

Explain how this works. Suppose my great-uncle leaves me Stan Musial's cap—

We actually have a Stan Musial signed baseball right now!

—and as it happens I'd rather sell it. What do I do?

Well, actually, you happened to pick the situation where I'd politely say, "I'm sorry, but I can't deal with you."

The reason is, we want to deal with established, reputable merchants who are capable of doing shipping, fulfillment, and customer service, without creating ill-will or other problems for us.

There's a series of issues with respect to dealing with individuals. The first is customer service; the second is quality control of the goods. When you want to buy a new watch, you don't usually check the classifieds; some people do, but you understand the kind of risks you take when you don't deal with an established merchant.

Now I think when people are placing orders for significant amounts of money over the Internet, one of their legitimate concerns is the credibility of the source—are they for real, or is this just somebody who's trying to get their credit card number and run? That's a real issue.

I feel that dealing with reputable merchants is the best way to address that issue. Not only would dealing with individuals be difficult from a standpoint of getting them set up to sell their one little item—because our costs are proportional to putting things up on the system—but I think it would create a customer service nightmare.

So you vet your suppliers pretty thoroughly.

Yes. We do. We've got a collection of suppliers who are of established businesses.

This is a very high customer service challenge, a very high customer service business. I want everybody who buys to be happy, and most of our merchants offer significant warranties or return policies.

Like, that watch was from 1939; it comes with a one-year warranty. An individual could never do that, but I'm dealing with a specialty watch merchant who's a great guy, and he's willing to provide that kind of guarantee to the people who buy the watch.

One of the other aspects of the merchandising is that we have experts online who will tell stories or explain their philosophy of collecting. So, for example, Richard Paige, who's our watch guy—you get a picture of him online, you can look at the items that he's selling, and you can understand what sort of things you should look for in a fine watch.

We field a significant number of inquiries for these merchants, people who just have questions. A wine guy, for instance—somebody writes in, "I went to a restaurant and they pulled the cork and handed it to me. What should I have done?" We collect those kinds of things, and hopefully we'll post them online at some point.

The idea is to create a friendly, entertaining, fast-moving environment. The mechanics are, we make deals with merchants, who have unusual items that are likely to have discretionary appeal to relatively high-income technical males...

How do you find them?

The technical males?

No, the vendors.

I sniff them out!

(310) 479-0999
(FAX) 312-9041
Prices subject to change without notice. All prices are cash discounted.

L.A.'S LEADING COMPUTER STORE!

LA COMPUTER CENTER

12002 PICO Boulevard
(Take the 10 West. Exit Bundy, turn right on Pico. 1 block on the right.)

University, Fortune 1000, and Government P.O.'s Welcome

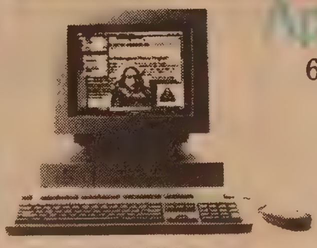
The best prices, selection, and service in town.

8100/100

Apple PowerMac

RISC 100MHz CPU, Tower Case, 3 Nubus Slots, Includes Mouse.
16RAM/700/CD
$2849
WITH AV CARD **$3099**

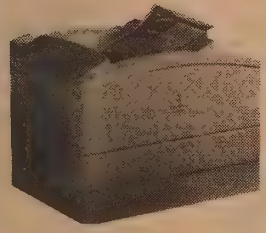
PERFORMA



Apple Performa 6115

60MHz CPU, 15" Trinitron Apple Display, Mouse and Keyboard.
8/350/CD
$1529
Factory Refurbished, 90 day warranty.

PRINTERS



Apple Printers

LaserPro 16/600/PS $1799
LaserPro 810 Duplex $2399
LaserWriter Select 360 $999
Laser Writer Select 320 $799
Personal LaserWriter 300 $349*
Apple StyleWriter II $159*

PERFORMA

Apple Performa 636

66MHz CPU, 14" Trinitron Apple Display, Mouse and Keyboard.
4 RAM / 250 HD **$799**
8/350HD/CD **$1099**
Factory Refurbished, 90 day warranty.

PENTIUM

AST Pentium

60MHz, 8RAM/ 540MB HD, CD-ROM, Speakers, FAX Modem, SVGA 14" Display, Mouse and Keyboard. Win 3.1, SOFTWARE INCLUDED!
$1299
Factory Refurbished, 90 day warranty

TOSHIBA

Toshiba Notebooks

2155CDS 4/250/CD $2699
1960CT 4/200 $1849
2105CS 4/350 $1899
2105CT 8/350 $2069*
2450CT 8/500 $2799*
4900CT 8/810 $3999*

NOTEBOOKS

Compaq Contura 386SL/25C $899
Compaq Contura 4/25CX Active $1599
Compaq Aero 433C m170 $1199
Compaq Aero 433C m250 $1299
TI 4000E Active 75Mhz 340HD $2099
TI 4000M Color 50MHz 200HD $1899

PRINTERS

EPSON LQ570+/1170 $249/$489
EPSON ACTION 3250 $179
STAR NX-1040 9 PIN $179
STAR XR-1520 9 PIN $199
IBM LASER 4PPM $449
HP DESKWRITER PORTABLE $199

FULL BLOWN PC CARDS THAT RUN IN YOUR MAC!

FINANCING AVAILABLE!!

DELIVERY, SETUP & TUTORING AVAILABLE!!

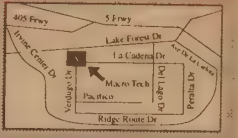
CELLULAR PHONES!!

MACRO TECHNOLOGIES INC.

23151 VEREDUGO DR. STE 102
LAGUNA HILLS, CA 92653

VISA MasterCard

BUSINESS HOURS:
M-F 9:00AM TO 6:00PM



(714) 580-1822

FAX (714) 770-4950

Custom Multimedia Systems

❖

Upgrades-Repairs-Memory

❖

Network Sales-Service

❖

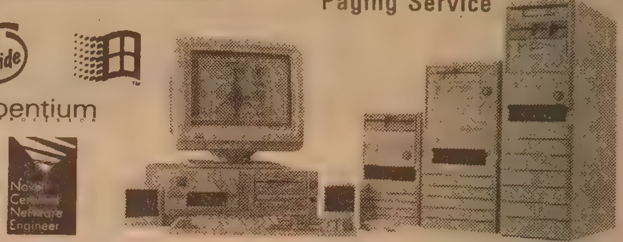
Cellular Service

❖

Paging Service

PAGER SERVICE Starting at $5.00/mo.

USED SYSTEMS W/COLOR VGA MONITOR STARTING @ $149!!



MULTIMEDIA NOTEBOOK with CD-ROM!

NOTEBOOKS 486DX2-50MHz 4MB RAM • 340MB Hard Drive • 1.44 FDD **MONO $1199 COLOR $1499**

SYSTEM UPGRADES

PCI Pentium 100MHz M/B & CPU	$699
PCI Pentium 90MHz M/B & CPU	599
VESA 486DX4-100MHz M/B w/256K & CPU	259
VESA 486DX2-66MHz M/B w/256K & CPU	229
386DX-40MHz	95
420MB IDE HDD	149
1.2GB IDE HDD	299
1.0GB SCSI HDD	445
PCI SVGA 1MB	89
14.4 Fax Modem	60
Tape Backup 420MB	149
14" SVGA Color Monitor	200
15" SVGA Color Monitor	309
17" Monitor	599
2X/4X Speed CD, 16-Sound	229/319
25W Speakers, 102 Titles & Software	
Add MS Windows 3.1	60
SCSI Controller	89
VLB IDE w/I/O Controller	24
101 Keyboard	19
Serial Mouse	12

Prices subject to change w/out notice.

(714)580-1822

486 VESA SYSTEMS

- 486 Vesa System, 256K/DCA
- Pentium Upgradable
- 4MB RAM • 560MB Hard Drive
- 1.44MB Floppy Drive
- Vesa E-IDE Controller
- 2 Serial, 1 Parallel, 1 Game
- PCI, 1MB SVGA Video
- Mini Tower Digital Case
- 101 Enhanced Keyboard
- Serial Mouse • DOS 6.22

486DLC-40MHz . . $599
486DX2-66MHz . . $769
486DX4-100MHz . $829

* Monitor sold separately

PENTIUM PCI SYSTEMS

- Pentium 66-90-100MHz, 256K
- 4 PCI, 4 ISA Bus Slots
- 4MB RAM • 560MB Hard Drive
- 1.44MB Floppy Drive • Serial Mouse
- PCI E-IDE Controller
- Medium Tower Digital Case
- 101 Enhanced Keyboard
- 2 Serial, 1 Parallel, 1 Game
- PCI, 1MB SVGA Video
- DOS 6.22

Pentium 66MHz. $1099
Pentium 90MHz. $1269
Pentium 100MHz. $1399

* Monitor sold separately

NOTE: WE WILL BEAT ANY COMPETITOR'S PRICE ON THE SAME CONFIGURATION!!

DMS-MEMORY UPGRADE SPECIALISTS!

STANDARD SIMMS

1x3-70		$38.50
1x3-70	IBM/OEM	35
1x3-60		39
1x9-60		42
1x9-70		35.50
1x9-80		39
1x8-70		38
1x9-100		31
4x9-60		149
4x9-70		145
4x9-80		149

PARITY 72-PIN SIMMS

256x36-70	(1MB)	$55
512x36-70	(2MB)	72
1x36-70	(4MB)	145
1x36-60	(4MB)	149
2x36-70	(8MB)	295
2x36-60	(8MB)	298
4x36-70	(16MB)	515
4x36-60	(16MB)	545
8x36-70	(32MB)	CALL
8x36-60	(32MB)	CALL
16x36-70	(64MB)	CALL
16x36-60	(64MB)	CALL

NON-PARITY 72-PIN SIMMS

1x32-70	(4MB)	$139
1x32-60	(4MB)	142
2x32-70	(8MB)	279
2x32-60	(8MB)	285
4x32-70	(16MB)	489
4x32-60	(16MB)	495
8x32-70	(32MB)	1039
8x32-60	(32MB)	1049
16x32-70	(64MB)	CALL
16x32-60	(64MB)	CALL

D.M.S. 2622 W. Lincoln Ave.
Suite 104, Anaheim, CA 92801
714/821-3354 • Fax 714/821-3361

Prices & Delivery Subject To Change W/Out Notice. Shipping & handling charges are not refundable. All returns require RMA number & copy of original invoice. No refunds or exchanges after 15 days. Purchaser must pay for shipping & insurance for all returns. Restocking fee 20% on non-defective returns & goods must be in original resaleable condition. All trademarks are property of their respective owners. Not responsible for typographical errors.

DESKTOP MEMORY

	4MB	8MB	16MB
APPLE:			
QUADRA 700, 900, 950	159		519
QUADRA 800, 840AV	139	279	469
QUADRA 605, 610, 650	139		469
CENTRIS 610, 650, 660 AV	139	279	469
PERFORMA 450, 460, 466, 467, 475, 550, 600	155	279	469
AST:			
PREMIA 4/33, 336, 50d, 66d	159	335	595
ADVANTAGE I PLUS 486 SERIES	149	295	495
ADVANTAGE I PRO 486/DX33, SX25	149	295	495
BRAVO 486LP, LCII, LC SERIES	149	295	495
PREMIUM II-SX, SX16, SX20	149	295	496
PREMIUM 486 (ALL)		CALL	
COMPAQ:			
PROLINEA MT 4/33 4/66, 4/50, 4/66	159	329	595
PROSIGNIA 486/33 486DX2/66	159	329	595
PRESARIO 800L 600, 400 SERIES	159	329	595
PROLIANT (ALL)	159	329	595
DESKPRO (ALL)		CALL	
DELL:			
PRECISION 486	149	289	495
IBM:			
PS/VALUEPOINT			
486(ALL)	165	335	595
433SX/SI, 433DX/SI	165	335	595
PREMIER PS/2 76, 77, 56	159	329	595
57 ULTIMEDIA M77	159	329	595
PS/1 WILLOW(ALL)	159	329	595
PS/1 CONSULTANT	159	329	595
PS/1 ESSENTIAL	159	329	595
PS/1 ADVISOR	159	329	595
PS/2 50, 60, 70, 95XP	159	329	595
ZENITH:			
Z486/25E		CALL	
Z-SERVER (ALL)		CALL	
Z-SELECT100		CALL	

CYRIX FASTMATH

MATH CO-PROCESSOR:	
CYRIX DX-40	49
CYRIX SX-33	45

CACHE UPGRADES

32 x 8 - 15	8.50
32 x 8 - 20	8.25
32 x 8 - 25	7.95
128 x 8 - 15/20/25	29/28/27

VIDEO UPGRADES

256 x 8 - 70 SOJ	21
256 x 16 - 70 SOJ	29
256 x 16 - 70 ZIP	45

UNIVERSITIES, GOVERNMENT AND CORPORATE P.O.'s WELCOME!

NOTEBOOK MEMORY

	4MB	8MB	16MB	32MB
ACER:				
ACERNOTE 750/C	189	379	629	
730/C, 735/C	185	359		
760CX, 780CX	195	379		
782C, 784, 786C, 787			609	
ALTIMA:				
VIRAGE	195	379	629	
LSX	205	379		
NB486	195	379	675	
AMBRA:				
NC 425SL	195	349		
N100	195	379	629	CALL
SN SERIES	195		629	
APPLE:				
POWERBOOK 520/C, 540/C	285	349	599	1295
POWERBOOK 140, 145B, 170, 180, 160, 165, 180C, 165C	175	299	349	
AST:				
ASENTIA 800/810	195	379	629	
ASENTIA 900N/910N	195	379	629	
POWEREXEC 486SL/33	195		629	
BRAVO NB/EXPLORER	195		629	
PEN EXEC	(2MB)129		(4MB) 209	
AT&T:				
AT&T SAFARI 3181	195	409	789	
AT&T SAFARI 3151	229			
GLOBALYST 200S	195	395		
GLOBALYST 250P	195	389	649	
AUSTIN:				
DX4/DX2/SX2/SX	195		645	
CANON:				
NOTEJET 486C (BN100)	195	379		
NOTEJET 486 (BN22)	195	379		
NOTEJET II (BN32)	195	379		
INNOVABOOK 10C SUB	195		629	
INNOVABOOK 150C	195		629	
INNOVA 486NX	195	379		
COMPAQ:				
CONCERTO 425/433	195	379	629	
CONTURA 4/25, C, CX	195	389	629	
CONTURA 400C, 400CX	195	389	629	
CONTURA 410C, 410CX	195	389	629	
LTE ELITE 4/25/C, 4/7/C/CXL	195	389	629	
LTELITE 4/25, C	195	349	629	
AERO	189	319	595	
DEC PC:				
425SX SE COLOR	195		595	
433SX SE COLOR	195		595	
425SL PREMIUM	195		609	
433SLC PREMIUM	195		609	
HI-NOTE	195	379	629	
ULTRA	195	329	629	
DELL:				
325N, 325NC	(2MB)109			
N120, N125	(2MB)109			
320SLi, 325SLi	(2MB)104	219	395	
320N+	(2MB)109	219		
212N, 320N	(2MB)109			
LATITUDE 433/C, CX, 425	285		629	
LATITUDE XP 4100CX 450C/CX, 475CX	285		629	
LATITUDE M, MC, MCX	195	379	629	
EPSON:				
ACTION NOTE 500C	195			
ACTION NOTE 650	195	379	629	
ACTION NOTE 660/C	195	389	629	
ACTION NOTE 700	195		629	
ACTION NOTE 866/C	195	395	629	
ACTION NOTE 880/C		CALL	CALL	
ACTION NOTE 4000		(6MB)309		
4SLC/25,33,4LC2/50		(6MB)309		
NB3S	195			

CALL: 714/821-3354

NOTEBOOK MEMORY

	4MB	8MB	16MB	32MB
NBSL 20/25/25C	195	349		
EVEREX:				
STEPNOTE	195		619	
GATEWAY:				
COLORBOOK	195		629	
HANDBOOK	195		629	
NOMAD/NOMAD N	229		859	
LIBERTY	195	379	629	
HEWLETT PACKARD:				
200LX PALMTOP PC	CALL	CALL	CALL	
OMNIBOOK 600/C	CALL	CALL	CALL	
OMNIBOOK 4000/C/CT	CALL	CALL	CALL	
IBM:				
CL57LSX	195	359		
PS/NOTE 2618	195	349	585	
PS/NOTE 182, N82, L40SX	195	349		
THINKPAD 350, 350C	195	349	585	CALL
THINKPAD 355, 355C	195	369	649	
THINKPAD 360/C/Cs/P	195	369	649	
THINKPAD 510/Cs	195	389	645	
THINKPAD 500	195	389		
THINKPAD 700/C, 720/C	195	349		
THINKPAD 701	205	389	649	
THINKPAD 710T	195	349		
THINKPAD 730T	195	389	649	
THINKPAD 750/C/Cs/P	195	379	649	
THINKPAD 755C DX2/4	195	379	649	
755CS DX2/4	195	379	649	
LEXMARK:				
CS SERIES	195	349		
SE10	195	389		

7 1 4 / 8 2 1 - 3 3 5 4

	4MB	8MB	16MB	32MB
MIDWEST MICRO:				
ELITE SOUND BOOK	215	389	595	
NEC:				
ULTRALITE VERSA E/M/V (3.3V)/P	199	369	655	
ULTRALITE III, SL, 25C	205	369		
ULTRALITE VERSA S-SERIES	189	389	629	
PACKARD BELL:				
STATESMAN/PLUS	105	379		
SAGER:				
3600		395	695	1295
6500	309		695	
7500	309	395	695	1295
9500	205	389	649	
SAMSUNG:				
NOTEMASTER 16/25	119(2MB)	219(4MB)	339(6MB)	
NOTEMASTER S3945T		205	409	
SENS 700	119	219	339	
SENSLITE 200	CALL		CALL	
SHARP:				
7700 7750/8150	195		629	
8650/8660	195		629	
8700/8860/8900	195	389	629	
ZAURAS PALMTOP	CALL		CALL	
T.I.:				
TRAVELMATE TI 4000E	205		859	
TRAVELMATE TI 4000M (NEW)	205	859		
TI 5000	CALL		CALL	
TRAVELMATE T13000 (2MG)	99			
TRAVELMATE T12000 (1MG)	79			
TOSHIBA:				
T1950 1900/T1900 CT/1960	195	389	649	
T4400 4500 4700/4800/4900 (NEW)	195	389	649	
T6400 6600	195	389	745	1395
T1850/C, 1800, 2200SX	185	389		
T2000SXE	195	359		
T2100 T2150CDS/CDT	195	389	719	
PROTEGE 3400/3600	195	379	649	
T2400 3600	189	369	649	
T2450CT	195	389	649	
T2000SXE	195	339		

NOTEBOOK MEMORY

	4MB	8MB	16MB	32MB
PROTEGE 2400	195	389	699	CALL
TWINHEAD:				
SLIMNOTE E 486DX	195		629	
SLIMNOTE 1/5 SERIES	195		629	
ZENITH:				
Z-STAR 433VL	(2MB)109	359		
Z-STAR EX	195		649	
Z-NOTE	205	379	649	
Z-NOTE FLEX	195	379	649	
ZEOS:				
COLORNOTE	209		689	
FREESTYLE	219		689	
POCKET PC	CALL		CALL	

PRINTER MEMORY

	2MB	4MB	8MB
EPSON ACTION LASER:			
1500, 1000	129		
HEWLETT PACKARD:			
HP 4, 4M	89	155	339
HP 4P, 4MP	79	145	295
HP 4L, ML (1MG ONLY) $55			
HP 550, C, 560, C (256K ONLY) $45			
HP II/IID	105	159	
HP III, IIIP	105	159	
PAINTJET XL300	239(4MB)		409(8MB)
OKIDATA:			
400	105		
400E/4 10E	119	209	
PANASONIC:			
KX 4410/4430	109	179	
KX 4420/44501	139	219	
KX 4400/5400	149	209	
KX 4440/5410	149	249	
KX-P 4455	105(1MB)		

	1MB	2MB	3MB	4MB
BROTHER:				
HL-8D/8E/8V	100	149	189	239
HL-10V/10DV/10PS		139	229	
HL-4/4PS/4V/4VE		139	229	
HL-6T		149		
HL-630	99		139(1.5MB)	
C.ITOH/C-TECH				
CI-4/4+/8E	75	105		
CI-6		149	205	
CANON:				
LBP 430/860 CALL				155
LBP 4SX		139	219	
LBP 811/B/T		105		159
LBP-8SX	109	149	189	239
LBP-4 LITE PLUS	129	195		
EPSON ACTION LASER:				
EPI 6000		139	209	
EPL 7000	99	149	209	
TI:				
MICROLASER SERIES	69	105	149	205
MICROLASER TURBO				205
MICROWRITER SERIES	85	129		

	1MB	1.5MB	2.5MB	4MB
SHARP:				
JX9500/E/H/9700/H	119	149	205	305
JX9400/9600/9660/9700E 9460	105	139(2MB)		239
JX9500PS	69			205

CALL FOR MORE PRINTER/MEMORY PRICES!

FAX: 714/821-3361

Startups: Live and Learn... *continued*

I ask around, I talk to people, and now that we're online, they write in. That's what I do. We've collected a group of them, and I'm very, very pleased with who we've got.

Richard Paige is a great example. He's local here in San Francisco; he runs a shop on Union Street called Paris 1925. He's a fourth-generation watch dealer, and a collector of jewelry, watches, and pens; he sells to a very specialized clientele. We're able to give him a much broader reach than he gets with foot traffic on Union Street—he's now able to sell watches all over the world. We've done that now in the past two weeks. He's incredibly excited about this.

Another one that's local is Ed Lehrman, who is the Director of Adventure, as he calls himself, at the Passport Wine Company. Passport is a local company that sells unusual wines, and that's also been doing very well. Last week we sold three bottles of a 1987 Opus 1—$800 apiece. This will give you an idea of the size of some of those purchases.

The conventional wisdom is you can't sell on the Internet, nobody buys. My belief is that you can sell; it's all in finding the right proposition.

One of the reasons that's cited for not selling on the Internet is that there is no secure way of exchanging money at the moment. How are you handling that?

It is a big concern for the customers.

First of all, we happen to be using the Netscape commercial server, and a lot of people have Netscape browsers, and that will encrypt your credit card when it is transmitted.

My opinion, while I respect the contrary view, is that there is only the remotest chance that your credit card floating across the Net is going to get surreptitiously stolen. You would take a far greater risk buying a pizza at the corner store than you do ordering on the Net.

But if people are uncomfortable about that, and some are, they simply phone us up and I just literally sit there and put the order in as if I were at their computer. I would say that probably 1% of the orders are coming in that way.

How do you make your money?

We receive a percentage of the sale, depending on the arrangements with the particular merchant. Sometimes we get referral fees or other arrangements; because we sell a broad variety of types of goods, those arrangements do vary depending on the class of goods we're selling.

What are your plans for the future of the company?

Well, we set out initially to demonstrate the proposition that people will buy goods if they're offered in this kind of exciting and entertaining format. We're three weeks into it, and I think the evidence shows that that proposition is correct. We have lots of customers, and the feedback we're getting from people using the service is they really enjoy it, it's a lot of fun.

The question is where to go from here, and frankly I'm not entirely sure of the answer to that. Firstly, we have a lot of work left to do in terms of focusing and owning the particular way in which we merchandise. We've already collected tremendous data on what motivates people to buy, what sorts of things they will buy, how sensitive they are to price points, and it's been fascinating to see that.

I think we want to tune up the model, and then we want to turn up the volume. So far we're not too well known, being open for two weeks, and I think that we have tremendous room for growth, because the netizens themselves are growing, because the major services are opening their floodgates to the Internet, and also because we can continue to improve our merchandise selection and our merchandising methods.

Where we go from here corporate-wise—I frankly haven't been too focused on that. I've been more focused on trying to ensure that the proposition works, that we're offering good values, and that our customers are happy.

So you don't see yourself as going on the endless quest for funding you describe yourself going through with GO? It seems like a pretty different business.

It is, for a couple of interesting reasons. Firstly, in contrast to GO, this has required a relatively small amount of capital, so my partners and I have been able to finance it ourselves. That's not to say we won't consider taking in financing in the future, but it's a very different picture when you have a demonstrated ability to market than it is when you're trotting around with an exciting but unproven pen computer.

If I had to guess, this selling proposition will interest several large potential partners for us. I'm not averse to the possibility of forming the right kind of alliance with one or more of those major partners.

Where do you see them coming from?

There's a whole series of different places they could come from. We're really creating a new distribution channel, and learning what the characteristics of that channel are. A new distribution channel is likely to have significant value for some large outfits, be they in retailing, networking, the electronic publishing business, whatever. We're open to discussion at this point. Of course, it's a very early stage.

We're trying to be to the Internet what QVC is to television.

How many of your customers so far are US vs. non-US?

On a three-week sample, I'd say it's 95% US.

Right now, fulfillment to non-US customers is not a problem?

No, merchants have to deal with that, not me!

But it's a factor in your business model.

It's true. I don't see any immediate difficulty with selling internationally, with the exceptions of shipping and customs, and each merchant is dealing with that as they see fit.

It's even a problem in the US, because you can't sell wines in certain places.

Is it necessary to subscribe to your service?

No, not at all. Anybody can come in and browse, and only when you bid or buy do you have to register.

And at that point you give a credit card number?

Right. We check the card for validity, and that's the way it works.

So how does this work? You announce that so-and-so's baseball emporium is offering a Mickey Mantle baseball for sale to the highest bidder, and bidding starts at $200 and is open for X period of time?

That's one of the formats.

We're using three initial formats. One is a standard auction, but the standard auction has a twist. You actually tell us what you're willing to pay, and then we bid for you. It's called proxy bidding. So I don't put up your top bid right away. And you're guaranteed to get it at the second bidder's price plus one increment.

So you might say to that Mickey Mantle baseball, I'm willing to pay 250 bucks. You'd tell me that, if we were selling one at a standard auction. Somebody bids $100, you come in at $105. When that happens, an electronic mail message goes out to the person who just got beat, and says, "You've been beat, here's the story; you can respond by email."

If you respond by email, that gets parsed and put in the database, and let's say they're now bidding $110.

Like your guy in Massachusetts and the guy in Japan.

Exactly. They weren't waiting online all week to see what happened. They put in bids.

Now you respond by email, and now we're at $110. Well, if my bid, again, was $250, it goes to $115 instantly. That process continues until somebody bids $255. Then I get the email, "Your bid's been outbid by so-and-so, it's now, $255, you can write in a new bid here and send it in..."

With this process, you don't have to be logged in to make it work. It's a very interesting proxy bidding process.

I believe the Mickey Mantle baseballs are using what's called a Dutch auction. We do establish a base price, and we put a limited quantity up for sale, let's say five. There is a fixed time. During that time period people bid, and the bids are right there on the screen.

At the end of the time period, the top five bidders get it, at the lowest successful bidder's price, which in this case would be the fifth-highest bidder.

Now, think about the strategy that you need to have there. What do you bid if you want one of those?

You wouldn't want to bid really high or really low?

But you may want to ensure that you get it, and the price that you bid is not the price that you pay unless you're the low bidder. The amount you're willing to bid is really more a statement about how badly you want the item, than it is about what you think it's worth.

And people immediately understand the dynamics of this, and have, I think, behaved in very sophisticated gaming ways in order to deal with these factors.

The markdowns are fun. We have a fixed amount of goods, and we have an algorithm. Each day the price moves in response to how many we've sold. We just sold one hundred refurbished Apple laser printers last week—they went at ridiculous prices. The people at the bottom got 'em for two hundred bucks.

If we sold more than fifteen in any given day, the price went up $25. If we sold ten to fifteen, it stayed the same. If we sold less than ten, it went down $25. So the price just floats until it finds the market. That's the markdown way.

So what kinds of stuff do you have up now?

We've got all kinds of stuff. We've got wines, cruises, event tickets, movie posters, rock 'n' roll posters. We're about to add rock 'n' roll memorabilia—I think that's going to be a big hot seller. Sports memorabilia, and Apple computers, and laser printers, at the moment. This is the current mix of goods.

How do you plan to tell people that you exist? 95% of the population doesn't go where you are.

Yet.

On the other hand, we can easily reach the 5% who do.

There are basically two means—one is standard publicity, the sort that I'm doing with you now; the other is online publicity, which is also very effective—people can click their way to us from different sites and sources.

But the single most important thing, which has already been the case even in just two weeks, is word of mouth. People enjoy it, they like it, they come back. We're getting tremendous amounts of repeat traffic, which to me is the most gratifying thing about the system.

Once you check through the Spiegel catalog, you're not going back next week, because you know it's the same catalog. With us, it's a constantly changing array of goods and prices and buyers. "Let's see what's OnSale!" That was the theory behind the name.

Are your VC pals attracted by this?

I think they're very much attracted by it in general. Many friends have told me that they're investing in "Internet ventures." But it's like the early days of the PC, it's so unstable and so uncertain.

It's very difficult for a seasoned investor to get comfortable until some kinds of boundaries are set up, and some kinds of markets are defined. So I think that while there's great interest, and a lot of learning going on on the parts of venture capitalists, I think there's relatively little in the way of actual investment at this time.

There's investment in companies like Netscape.

Tool companies are a lot easier to understand in this arena, which is true in a lot of industries when they first occur. There was always a market for tools for pen computing, because you're selling to developers.

You're selling the pans to the miners, and that's clearly a business. You don't have to believe that the way to get rich is to pan for gold in order to make money selling Levi's.

So that's a clearly defined market that therefore is attracting more investment from traditional sources.

Do you see much investment in content rather than tools?

That's even more esoteric. That's less of a typical VC opportunity, but that's because those are specialized markets, where the knowledge and expertise of each market is very much distributed.

Where you see content plays being made, it's usually in conjunction with a partner who owns that content in other domains.

So it's more like a licensing arrangement, than deciding "I'm going to fund the first digital movie."

Right.

Angel-type financing arrangements are more common for content?

That's my sense of it. Or else it's just flat-out owned by content providers.

Before people get discouraged, they need to recognize that it often took more than a decade for other media to develop a viable economic model that has endured. The fact that radio is an advertising-sponsored medium—I think it was twenty years from the time when commercially plausible radio receivers were available to the point where that model emerged. It's a fascinating story.

100% LOW PRICE GUARANTEE!

FREE ON-SITE SERVICE
Ask for Details in Store

90 DAYS SAME AS CASH

486DX2-66	486DX4-100	PENTIUM-90/100	PENTIUM-100/120
> 128k cache, cpu cooling fan	> 256k cache, cpu cooling fan	> 256k cache, cpu cooling fan	> 256k cache, cpu cooling fan
> 560MB HDD, 4MB RAM	> 560MB HDD, 4MB RAM	> 560MB HDD, 16MB RAM	> 850MB HDD, 8MB RAM
> 1.44MB FDD, Mini-Tower	> 1.44MB FDD, Mini-Tower	> 1.44MB FDD, Mid-Tower/230w	> 1.44MB FDD, Mid-Tower/230w
> 32-bit 1M SVGA VLB card	> 32-bit 1M SVGA VLB card	> Dimond Stealth 64 PCI/1M	> Dimond Stealth 64 PCI/1M
> 32-bit VLB IDE IO	> 32-bit VLB IDE IO	> PCI E-IDE/Hi-Speed IO	> PCI E-IDE/Hi-Speed IO
> 14" SVGA Color Monitor	> 14" SVGA Color Monitor	> 14" SVGA Color Monitor	> 14" SVGA Color Monitor
> 101 Enhanced keyboard	> 101 Enhanced keyboard	> 101 Enhanced keyboard	> 101 Enhanced keyboard
> Mouse/Pad	> Mouse/Pad	> Mouse/Pad	> Mouse/Pad
$789	$829	$1549/1639	$1539/1849

We will upgrade your system for only $35
We will trade in your memory too!
Call for Details

586 Performance at 486 Price

2X Multimedia Pak

- > 2x CD ROM
- > 16-bit Sound Card
- > MLi Stereo Speakers

$129

4X Multimedia Pak

- > 4x CD ROM
- > Acer/Creative Lab 16
- > MLi Stereo Speakers

$229

9 Years in PC Business!!

5 Years Labor & 1 Year Parts Warranty!!

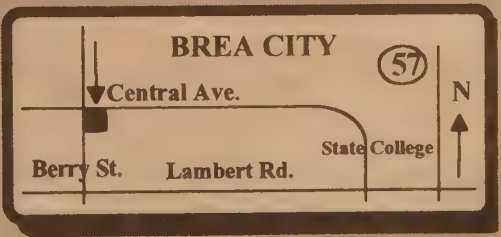
We do honor School, Government, & Business accounts!!

* Prices & availability are subject to change without notice.
* Ask for details about financing, on-site services, and price protection
* Prices shown are based on 3% cash discount.
* All brand new parts

AMERICAN TEC

AMERICAN TECH ENHANCE COMPUTER CORP.

590 W. CENTRAL AVE #B., BREA, CA 92621
Tel: (714) 990-3933 Fax: (714) 990-3653
Open 7 days a week



I'm a little less familiar with what happened with television, but I know that the guy who invented television was asked, "What do you think this will be used for?"; and he had in mind things like teaching new surgeons how to perform operations without having them in the operating rooms where they might contaminate the operation.

He certainly didn't have in mind *Gilligan's Island*. Nonetheless, the whole model of *Gilligan's Island* being the filler to keep the eyes on the screen between the ads for Oreo cookies is inobvious, and took many, many years to occur. I think we'll see the same thing with electronic media—is this an advertising medium? Is this a subscription medium? Is this sort of a nickel-and-dime shop? Do we need new forms of electronic currency, or not? These are all issues that will play out over the next few years.

For one thing, electronic media are demand-driven rather than based on the model of broadcasting information to an essentially passive audience of couch potatoes.

I think there's a fundamental difference between radio/television and interactive online media, and it's precisely what you were saying.

And that's why I don't think televisions and computers are going to merge. One of them is a passive activity, the other one is an active activity. They attract different kinds of people, or at least people who are involved in different kinds of activities.

Different states of mind.

That's a good way to put it, they deal with different states of mind. In the interactive domain, you're intellectually engaged in what you're doing. You're a part of what you're doing. So how to deal appropriately with people whose minds are engaged is a novel challenge for the traditional media.

What are you finding works?

One of the shocking things that I've found so far is that people are very smart.

Even given that you've got an unusually bright demographic?

What I'm referring to is that in the games that we're creating, the environments that we're creating—and we do this full-time—we've given our best thought to how to design them correctly.

And nonetheless I find that customers are extremely sophisticated about what strategies they ought to employ, when and how to buy. They taught us a great deal in the first two weeks.

Which shocked me. I thought it would be difficult for people to get their arms around what this was and what they ought to do. But they showed us a thing or two right off the bat about what made sense and what didn't, by buying or not buying. You're voting with your dollars in a system like this.

We found people to be very knowledgeable and sophisticated in terms of the goods. Things that were not priced correctly just flat-out didn't move.

The interesting thing is we get that feedback and that information very very quickly, in a way that traditional channels do not. So even the merchants, who in theory know their markets, would suddenly find that a particular type of goods that historically had had a certain kind of selling price and pattern may very well have changed rapidly, and now they have a way to respond to that, where they never could or would respond previously, because that information wasn't available.

An interesting example of this—the Mickey Mantle baseball that we're selling this week. At the time of this interview, Mickey Mantle is in the news, having just taken ill. That has dramatically affected the value of a signed Mickey Mantle baseball. If we were putting out a catalog, we could have done nothing about that, but because we're an interactive medium, we could immediately gauge that demand and adjust the offerings to the market.

OnSale doesn't present the same kind of technical challenges GO did, though.

No. The current project has no technical risk. It had high market risk, and that market risk is dropping rapidly.

Where would you like to be with this in a year?

In a year I'd like to see us having established ourselves as a significant force in retailing. And I think that if we work hard and have our reasonable share of luck, and if we treat our customers well, we have an opportunity to do that. ■

Novell Training
(and more)

Enroll in our complete, 240-hour Certified Novell Engineer (CNE) program.

WE OFFER

- Job placement assistance & career services.
- 1:1 student-to-work-station ratio.
- Day, evening, and weekend classes taught by Certified Novell Instructors (CNIs).

You will also receive the following at no additional cost:

- DOS/Microcomputer course for NetWare
- Novell NetWare, two-user version.
- Computer lab open 7 days a week
- Test review sessions.

Call now to reserve your place in our July classes.

(800) 240-2500 ext. 318

(818) 351-9995 ext 318

Mt. Sierra College
350 N. Halstead Street
Pasadena, CA 91107

Novell Authorized Education Center

SAGER & PROSTAR Notebooks

Authorized Dealer & Service Since 1993

PROSTAR NP9600

No. 1 Selling Model

BYTE Magazine special report, "Pentium Power without Sticker Shock"

- P5 - 75/90/100
- 256K Ext. Cache
- Removable HDD (340M/520M/810M/1.35GB)
- 8MB RAM (16/24/40)
- 32 bit VGA w/1MB
- Stereo Sound Card
- PCMCIA IV (II & IV) Slot
- 25mm Trackball
- NiMH Hot Swap Battery
- 10.3" Dual Scan or 10.2" Active Color

Starting at $2195

SAGER NP7600

- P5 - 75/90/100
- 256K Cache
- Removable HDD (340M/520M/810M/1.35GB)
- 8MB RAM (16/24/40)
- 32 bit VGA w/1MB
- Stereo Sound Card
- PCMCIA I & IV
- 19mm Trackball
- NiMH Battery
- 10.3" Dual Scan
- 9.5" Active Color

Starting at $2160

PROSTAR NP9200

- 468DX2-66 / DX4-100
- 128K Cache
- 4MB RAM (8/16/20/36)
- Removable HDD (340M/520M/810M/1.35GB)
- PCMCIA IV (II & IV)
- 25mm Trackball
- NiMH Hot Swap Battery
- 10.3" Dual Scan or 10.2" Active Color
- 9.5" Monochrome

Starting at $1370

SAGER NP8500

- 468DX2-66 / DX4-100
- 8MB RAM (8/12/20/36)
- Removable HDD (340M/520M/810M/1.35GB)
- Stereo Sound Card
- PCMCIA II & III
- Pointer Device
- NiMH Battery
- 11.4 Dual Color

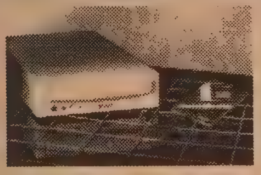
Starting at $1990

PROSTAR NP9400

- 468DX2-66 / DX4-100
- 4MB RAM (8 to 64MB)
- Removable HDD (340M/520M/810M/1.35GB)
- PCMCIA II & III
- Stereo Sound Card
- Pointer Device
- NiMH Battery
- 11.3" Dual Scan or 9.5" Active Color

Starting at $2140

EXP CD-940



- PCMCIA Type I
- No Power Needed
- 2X CD Low Power
- Easy Installation

$235

AXONIX MEDIA PLAYER

- PCMCIA Type II
- 2X CD + Sound Module
- AC adapter, battery, carry bag, speaker

$489

Type II 1414 Fax Modem	$105
Type II 2814 Fax Modem	$219
Type II 1414 Fax Modem Voice	$120
Type II Ethernet Lan Card	$99
Type II SCSI-2 Adapter	$120
Type III 260MB Hard Disk	$175

DESKTOP SPECIAL

486DX4-100

- 4MB RAM, 540MB HDD
- 256K Cache, 1.44MB FDD
- MiniTower or DeskTop Case
- VLB IDE, VGA w/1MB
- 101 Keyboard, Mouse w/Pad
- 14" .28NI SVGA Monitor

$888

Add $199 for:

- 2X CD ROM Drive
- Stereo Sound Blaster Card
- Stereo Speaker Set
- Gold Pack 10 CD Title

PENTIUM 90

- 8MB RAM, 850MB HDD
- 256K Cache, PCI M/B
- Mid Tower Case
- PCI IDE, VGA w/1MB
- Focus 2001 KB, 1.44MB FDD
- 15" .28NI SVGA Monitor
- MS Mouse

$1499

Add $275 for:

- 4X CD ROM Drive
- Stereo Sound Blaster Card
- Stereo Speaker Set
- Gold Pack 10 CD Title

COMPONENTS

HARD DISK DRIVES

	CASH
540MB 12ms (IDE) Quantum, Conner	$159
850MB 12 ms (IDE) WD, Conner, QT	199
1.2GB 12MS (E-IDE) WD	305
1.2GB 12MS (E-IDE) Maxtor	265
1.0GB 10.5MS (SCSI) Conner, QT	359
2.0GB 8ms (Fast SCSI) QT	795

HDD/FDD ADAPTERS

	CASH
IDE I/O (ISA)	$13
IDE I/O (VLB)	18
IDE I/O (PCI)	35
ISA Enhanced I/O (2S, 1P) 16550 UART	24
IDE Card (PCI)	29
Adapter 1542CF Board Only	160
Adapter 2842VL W/Kit	240
Adapter 2940PCI Board Only	188
WD 7193 PCI SCSI Kit	190
WD 7197 PCI SCSI Kit	220
ASUS SCSI (PCI)	82
Promise DC2300+ (VLB, E-IDE)	44
Promise DC4030 (VLB, 0K)	98

CASES

Mini Tower 200W Dig.	$39
Mini Tower (FCC) 200W	56
Desktop 200W Dig.	42
Med. Tower 250W Dig	55
Smart Med. Tower 250W	59
Full Tower 250W Dig.	69

FLOPPY DISK DRIVES

TEAC 1.44MB 3.5"	$32
TEAC 1.2MB 5.25"	45

EXTERNAL DEVICE

Para Disk	$99

VIDEO CARDS

CL-5420 VGA 1MB (ISA)	$58
Cirrus Logic 5428 1MB (VLB)	68
S3-805 1MB (VLB)	68
S3-864 1MB (PCI)	78
ATI Wonder 1MB DRAM (VLB/PCI)	95
ATI Mach 64 2MB DRAM (VLB/PCI)	178
ATI WinTurbo Mach 64 2MB VRAM (VLB/PCI)	266
ATI WinTurbo Mach 64 4MB VRAM (VLB/PCI)	420
Diamond Stealth 64 2MB DRAM (VLB/PCI)	185
Diamond Stealth 64 2MB VRAM (VLB/PCI)	268
Mono/LPT Port	15
Western Digital Bali 32 1MB PCI	85
MPEG CD-I Card	155

MONITORS

MGC 1488E 14" .28 INT. 1024	$195
MGC 1458E 14" .28 NI 1024	210
Acer 34T 14" .28 NI 1024	229
Acer 55 15" .28 NI 1024	295
ADI 4GP 15" .28 NI 1280 DIG LR	345
ADI 5EP 17" .28 NI 1280	585
MAG DX15F 15" .28 NI 1280	325
MAG DX17F 17" .26 NI 1280	585
14" Monochrome	79
14" Monochrome VGA	89

CD ROM/MULTIMEDIA

Sound Blaster 16 MCD	$68
Sony CD-55 IDE 2X CD ROM	95
Acer CDR-525 IDE 2X CD ROM	95
Sound Blaster 16 SCSI	105
Panasonic 2X CD ROM	102
Mitsumi 2X CD ROM	95
Mitsumi 4X IDE CD ROM	160
Toshiba Triple SCSI CD ROM	215
TEAC Quad Speed CD ROM	175
Toshiba 4.4X 3601B SCSI CD ROM	298
3 in 1 AT CD ROM Contl Card	15
CP-55 Portable Speaker	8
SP-691 25W Speaker w/AC Adapter	22
MLI-115 115W Speaker w/AC Adapter	39
MLI-65 18W Speaker (Black)	33

KEYBOARDS

Acer 101 Key (Small)	$15
Keytronic 101 Key	25
Focus 2001 w/Dust Cover	30
Focus 8000 w/Calculator	37
Focus 9000 Programmable w/Calculator	47

MISCELLANEOUS

Smartlink Fax/Modem 96/24	$29
Smartlink Fax/Modem 14.4/14.4 Int.	54
Smartlink Fax/Modem 14.4/14.4 Ext.	96
Smartlink Fax/Modem Voice 14.4/14.4	75
Smartlink Fax/Modem 28.8/28.8 Int.	139
US Robotic Fax/Modem 14.4/14.4 Int	95
US Robotic Fax/Modem 14.4/14.4 Ext.	120
US Robotic Fax/Modem 28.8/28.8 Int.	199
US Robotic Fax/Modem 28.8/28.8 Ext.	220
Microsoft Serial 2 Mouse (Gray)	25
Microsoft Serial 2 Mouse (Ivory)	40
Microsoft Home Mouse	35
Microsoft Ball Point Mouse	20
Logitech First Mouse	35
Logitech Mouseman	45
Znix MS Compatible Mouse	9
Mouse Pad	2
Conner Int. 420MB Tape Backup	168
Conner Ext. 420MB Tape Backup	295
Conner Int. 850MB Tape Backup	215
Colorado Int. 350MB Tape Backup	120
(Remanufactured)	

GOVERNMENT, SCHOOL AND CORPORATE P.O.'S WELCOME.

Terms: Cash prices good for personal check (with 2 I.D.'s) or cashier's check.

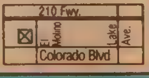
Conditions: 15% Restocking Fee for all returns within 14 days of purchase.
After 14 days no returns for refund.

Warranty: All systems and components come with one year parts and labor warranty.

Prices subject to change without notice.

BUSINESS HOURS:
Mon.-Fri. 10:00-6:30
Sat. 11:00-6:00 Closed Sunday

ADVANCED COMPUTER CENTER
645 E. Colorado Blvd., Pasadena, CA 91101
Tel (818) 795-3939 · Fax (818) 795-0549



ALWAYS THE BEST BUY IN MULTIMEDIA!

Pentium 90/100 Multimedia

BEST BUY

- **4X Quad Speed Photo CD-ROM**
- "Creative Lab" Sound Blaster 16
- 2 High Class Speakers
- **8MB RAM & 256K Cache**
- **850MB Fast IDE HD**
- 1.44 Floppy Drive
- 2 High Speed Serial & 1 Enhanced Parallel Port
- **PCI Windows Accelerator 2MB SVGA Card**
- **15" 1280x1024 NI "GREEN" SVGA**
- 101 Enhanced Keyboard, Hi-Res 3 Button Mouse
- Middle Tower Case w/230W "UL" Power

90MHz ... $1750

100MHz .. $1850

Pentium 75 Multimedia

LOWEST PRICE

- **2X Double Speed Photo CD-ROM**
- **Sound Blaster 16**
- 2 High Class Speakers
- 8MB RAM & 256K Cache
- 560MB Fast IDE HD
- 1.44 Floppy Drive
- PCI IDE w/2 Serial & 1 Parallel Port
- **PCI Windows Accelerator w/2MB SVGA Card**
- 14" 1024 .28 NI "GREEN" SVGA
- 101 Enhanced Keyboard, Hi-Res 3 Button Mouse
- Middle Tower Case w/230W "UL" Power
- 2 16550 Serial, 1Bi-Di Parallel

$1425

486DX2/DX4-66/100 Multimedia

BEST BUY

- 2X Double Speed Photo CD-ROM
- **Sound Blaster 16**
- 2 High Class Speakers
- 8 MB RAM & 256K Cache
- 560MB Fast IDE HD
- 1.44 Floppy Drive
- VLB IDE w/2 Serial & 1 Parallel Port
- VLB Windows Accelerator w/1MB SVGA Card
- 14" 1024 .28 NI "GREEN" SVGA
- 101 Enhanced Keyboard, Hi-Res 3 Button Mouse
- Mini Tower Case w/230W "UL" Power

66MHz.... $1150

100MHz.... $1195

Pentium 100 SCSI Multimedia

SUPREME

- **4X Quad Speed SCSI** Multi-Session Photo CD-ROM
- Creative Lab Sound Blaster 16
- 2 High Class Speakers
- **16MB RAM & 256K Cache**
- **Adaptec 2940 PCI Controller**
- **1.06 GB Fast SCSI HD and 1.44 MB Floppy Drive**
- **Diamond Stealth 64 PCI 2MB SVGA Card**
- **MAG 17" 1280 .28 NI "GREEN" SVGA**
- 101 Enhanced Keyboard, Hi-Res 3 Button Mouse
- Middle Tower Case w/230W "UL" Power

$3090

VLB 486 DX2-66/DX4-100 Office Station

- 4MB RAM
- 560MB HD
- 1.44MB FD
- VLB IDE w/IO
- VLB SVGA w/1MB
- 14" NI 1024 x 768 Monitor
- 101 Enhanced Keyboard, Mouse
- Mini Tower Case

66MHz...... $858

100MHz.... $898

Upgrade to 8MB ....CALL

MULTIMEDIA PACKAGES

CREATIVE LAB DIGITAL SCHOOL HOUSE

2X CD ROM
SoundBlaster -16 Card
20 Education CD Titles
Speakers
Microphone

$218

2X Double Speed Multi-Session Photo CD
Sound Blaster 16-by "Creative Lab"
2 Speakers
15 CD Titles (Aldus Photostylus, Encyclopedia...)

2X $188

4X Quad Speed Multi-Session Photo CD
Sound Blaster 16-by "Creative Lab"
115W Speakers
14 CD Titles (Encyclopedia...)

4X $308

Toshiba 4X Quad Speed SCSI Multi-Session Photo CD
Sound Blaster 16 by Creative Lab SCSI
115W Speakers
14 CD Titles (Encyclopedia...)

4X $478

CD PACKAGES

Microsoft CD Package

- **Encarta '95**
- **Golf**
- **Works & Money**
- **Danger Creatures**
- **7 Games** $75

14 CD Title Package Encyclopedia...... $39

10 CD Family Pack................ $40

SOUND CARD

Sound Blaster 16	$79
Sound Blaster 16 SCSI	105
Sound Blaster 32 AWE	279

CD-ROM DRIVES

Sony 2x CD	$115
NE 3x SCSI CD	249
Teac 4x CD	199
Toshiba 4x SCSI CD	288

SPEAKERS

100 Watt Power Amplified	$45
125 Watt Power Amplified	75

Authorized Dealer for: HEWLETT PACKARD Apple® Computer, Inc. COMPAQ EPSON Canon IBM

Your Complete Computer Resource! Since 1988!

Apple Macintosh

PowerBook® 520/520C
- Motorola 68LC040 50/25MHz
- Upgradable to Power PC, Built-in Ethernet
- 4MB RAM, 160MB HD

$1749/ $2199

PowerBook® 540/540C
- Motorola 66/33MHz
- Upgradable to Power PC
- Expandable to 36MB
- 4MB/320MB

Best Price

Power Macintosh™ 7100/80/CD
- 66MHz Power PC
- 1MB VRAM Video Card
- 8MB RAM, 700MB HD
- CD ROM
- Ethernet, 3NuBus Slots
- System 7.5

$2995

Authorized Dealer

TOSHIBA T-2100CS

ActionNote 650 Dual Scan Color

- 486DX2-50MHz
- 4MB RAM up to 28MB
- 330MB Hard Drive
- 1.44MB Floppy
- 10.3" Dual Scan Color Screen
- PCMCIA Slots
- AccuPoint Mouse
- DOS, Windows

$1950

EPSON ACTIONNOTE 660C

- **486DX2-66MHz CPU**
- **10.3" Dual Scan Color Screen**
- **340MB Hard Drive (Removable)**
- **1.44MB Floppy Drive**
- **4MB RAM, Upgrade to 24MB**
- **32 Bit VLB SVGA Card**
- **Built-in Trackball**
- **MS DOS Windows & More**
- **Optional Sound Card**

$2195

WE HONOR GOVERNMENT, CORPORATE & SCHOOL P.O.'s

All prices, specifications, and product availability are subject to change without prior notice. Not responsible for any typographical errors. Financing figures are estimated and based on 36 months and financing is on approved credit. Prices reflect 3% cash discount. C.O.D. order accepted. All systems come with 1 year parts and labor limited carry-in warranty. All brand names are trademarks of their respective companies. All sales are final.

Hewlett Packard

Hewlett Packard Printers & Scanners

HP DeskJet/DeskWriter 320 (Color Option)	$285/285
HP DeskJet/DeskWriter 540 (Color Option)	275/275
HP DeskJet/DeskWriter 660C	449/456
HP LaserJet 4L/4ML	495/890
HP LaserJet 5P/5MP	875/1025
HP LaserJet 4 Plus/4M Plus	1348/1855
HP LaserJet 4SI/4SI MX2	2850/3995
HP LaserJet 4V/4MV	Call/Call
HP Color LaserJet	Call
HP ScanJet 3P (IBM or MAC)	Call
HP ScanJet IIIC (IBM or MAC)	895

All printers include free cable.

Control Card

IDS IDE I/O	[illegible]
ISA IDE W/16550 I/O	[illegible]
VLB IDE I/O	[illegible]
VLB IDE W/16550 I/O	[illegible]
PCI IDE w/16550 I/O	[illegible]
PCI SCSI-II (NCR ChipSet)	[illegible]
PCI Adaptec-2940 SCSI-2	[illegible]
PCI Adaptec-2940W SCSI-3	[illegible]

Fax/Modem

US Robotics 14.4 INT.	[illegible]
US Robotics 14.4 EXT.	[illegible]
US Robotics 28.8 INT. V.34	[illegible]
US Robotics 28.8 EXT.	[illegible]
Rockwell 14.4 INT.	[illegible]
Rockwell 14.4 EXT.	[illegible]
Intel 14.4 PCMCIA	[illegible]
Mega Hertz 14.4 PCMCIA	[illegible]

Floppy Drive

Teac 1.2MB, 5 1/4"	[illegible]
Teac 1.44MB, 3 1/2"	[illegible]
Teac 1.2 & 1.44MB Combo	[illegible]
Mitsumi 1.2 MB 5 1/4"	[illegible]
Mitsumi 1.44MB, 3 1/2"	[illegible]

Hard Drive

Conner 420MB IDE, 12ms	[illegible]
Conner 540MB IDE, 12ms	[illegible]
Conner 850MB IDE	[illegible]
Conner 1.2GB IDE	[illegible]
Conner 1.0GB SCSI-2	[illegible]
Conner 2.0GB SCSI-II	[illegible]
Maxtor 270MB IDE	[illegible]
Maxtor 420MB IDE	[illegible]
Maxtor 540MB IDE	[illegible]
Western Digital 850MB IDE	[illegible]
Western Digital 1.2GB IDE	[illegible]
Quantum 8ms	850
HP 2.0GB SCSI	895
Samsung 540MB IDE	[illegible]

Motherboard

P5-90/100 EISA/PCI Dual CPU	[illegible]
P5-90 PCI Intel Triton w/256K	[illegible]
P5-90/100 PCI w/256, IDE I/O	[illegible]
486DX4/DX2 PCI w/256K w/IDE IO	[illegible]
486DX4/DX2 VLB w/256K	[illegible]
486SLC2-66 VLB	[illegible]
486 SLC3-75 w/256K Cache	[illegible]

Case

Mini Tower w/230W	[illegible]
Mini High Tower w/230W	[illegible]
Mid Tower w/230W	[illegible]
Full Tower w/250W	[illegible]

RAM

30Pin 1x3 Simm, 70ns	[illegible]
30Pin 4x9 Simm, 70ns	[illegible]
72Pin 1x32 Simm, 70ns	[illegible]
72Pin 2x32 Simm, 70ns	[illegible]
72Pin 4x32 Simm, 70ns	[illegible]

Keyboard

101 Enhanced	[illegible]
Maxiswitch 101 Enhanced	[illegible]
Fujitsu 101 Enhanced	[illegible]
Focus 2001 101 Enhanced	[illegible]
Focus 9000 101 Enhanced	[illegible]
MicroSoft Natural Key	[illegible]

Mouse

Logitech MouseMan II Serial	42
Logitech MouseMan II Bus	65
MicroSoft Mouse, Serial	25
MicroSoft Mouse, Bus/PS2	55
3 Button Compatible Mouse	10
TrackBall, Serial	25
3 Button Compatible Bus Mouse	28

Monitor

ViewSonic V21 21", 1600x1280 .28	$1588
ViewSonic V17 17", 1600x1280 .28	[illegible]
ViewSonic V17G 17", 1280x1024 .28	678
ViewSonic V15 15", 1280x1024 .28, 60Hz	388
ViewSonic V15ES 15", 1024x768 .28, 76Hz	335
MAG MXP-17F, 1280x1024, .26	895
MAG DX-17F	619
MAG DX-15F, 1280x1024, .28	338
CTX 1565GM 15", 1024x768 .28	335
CTX 1451C 14", 1024x768 .28	235
Acer 76I 17", 1280x1024 .27NI, Digital	565
Acer 56L 15", 1280x1024 .28 Digital	338
Acer 34T 14", 1024x768 .28NI, EPA	229
NEC XE21, 1280x1024 .28, 60Hz, LR	1928
NEC XP21, 1680x1200 .28, 70Hz, LR	2475
NEC XE17, 1024x768 .28, 76Hz, LR	998
NEC XP17, 1280x1024 .28, 76Hz, LR	1238
NEC XE15, 1024x768 .28, 76Hz, LR	548
NEC XP15, 1024x768 .28, 76Hz, LR	658
Digiview 14"	209
MGC 15"	300

Tape Backup

Colorado Jumbo 250MB EXT. QIC-80	279
Colorado Jumbo 250MB INT. QIC-80	145
Colorado PowerDat 2.0GB INT, SCSI	736
Colorado PowerDat 2.0GB EXT, SCSI	1098
Colorado PowerDat 4.0GB INT, SCSI	1158
Colorado PowerDat 4.0GB EXT, SCSI	1578
Colorado Jumbo 350MB INT.QIC-80	169
Colorado Jumbo 350MB EXT.QIC-80	339
Conner 420MB INT. QIC-80	140
Conner 420MB EXT. QIC-80	255
Conner 850MB EXT.	450
Conner 850MB INT.	295
WangDat 1.0GB INT. SCSI	538
10 Mega Zip Drive	199

Video Adapter

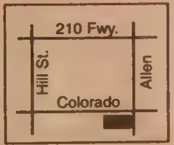
ATI Math-64 PCI/VLB w/4MB VRAM	$459
ATI Math-64 PCI/VLB w/2MB VRAM	258
ATI Math-64 PCI/VLB w/2MB DRAM	175
ATI Math-32 PCI/VLB w/1MB DRAM	99
Diamond Stealth-64 PCI/VLB 4MB VR	459
Diamond Stealth-64 PCI/VLB 2MB VR/Video	279
Diamond Stealth-64 PCI/VLB 2MB DR	175
Diamond Stealth-64 PCI/VLB 1MB DR	135
Orchid Kelvin-64 PCI/VLB w/2MB	175
Cirrus Logic 5429 VLB w/1MB	75
Trident 9400 VLBw/1MB	70
Trident 9420 PCI w/2MB	115
Trident 8900 ISA w/1MB	55

90 Days
Same as Cash
Financing Available
Subject to credit approval.
We Accept

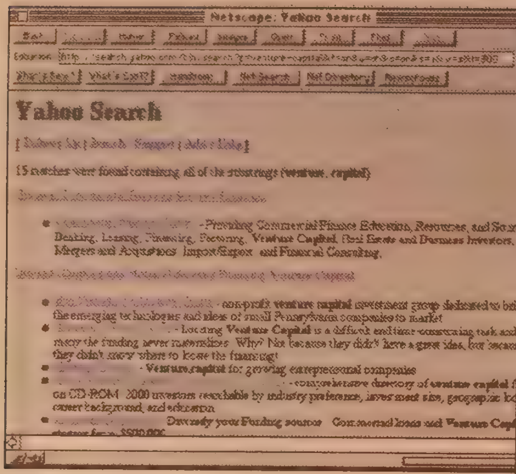
Protect Your PC Investment
We offer 4 YEAR On-Site Service
Contract GE Consumer Service

Pasadena Computer

(818) 568-1088 Fax (818) 568-9132
1756 E. Colorado Blvd., Pasadena, CA 91106



Hours:
Mon-Fri 9:00-6:00
Sat 10:00-5:00



Netscape: Yahoo Search
What's New? | What's Cool? | Handbook | Net Search | Net Directory | Newsgroups

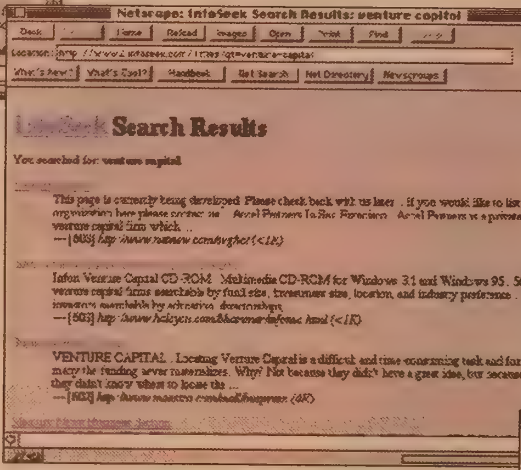
Yahoo Search

15 matches were found containing all of the substrings (venture, capital)

- Providing Commercial Finance Education, Resources, and Sources to Banking, Leasing, Financing, Factoring, Venture Capital, Real Estate and Business Investors, Mergers and Acquisitions, Import/Export, and Financial Consulting.
- non-profit venture capital investment group dedicated to bringing the emerging technologies and ideas of small Pennsylvania companies to market
- Locating Venture Capital is a difficult and time consuming task and for many the funding never materializes. Why? Not because they didn't have a great idea, but because they didn't know where to locate the financing!
- Venture capital for growing entrepreneurial companies
- comprehensive directory of venture capital on CD-ROM. 2000 investors searchable by industry preference, investment size, geographic location, career background, and education
- Diversify your Funding sources. Commercial loans and Venture Capital

A Quick Look At Search Tools For Finding Venture Capital On The Net

By Michael Robin



Netscape: InfoSeek Search Results: venture capital
Back | Home | Reload | Images | Open | Print | Find
What's New? | What's Cool? | Handbook | Net Search | Net Directory | Newsgroups

Search Results

You searched for: venture capital

This page is currently being developed. Please check back with us later. If you would like to list your organization here please contact us. Accel Partners In San Francisco. Accel Partners is a private venture capital firm which ...

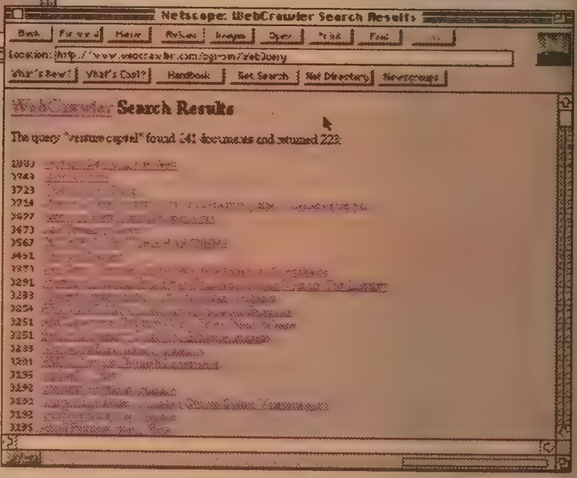
Infon Venture Capital CD-ROM. Multimedia CD-ROM for Windows 3.1 and Windows 95. 500 venture capital firms searchable by fund size, investment size, location, and industry preference. 2000 investors searchable by education, directorships,

VENTURE CAPITAL. Locating Venture Capital is a difficult and time consuming task and for many the funding never materializes. Why? Not because they didn't have a great idea, but because they didn't know where to locate the ...

Most of the clamor about "doing business on the Internet" is about buying and selling goods and services. Hardly a week passes without an announcement of a new alliance or new technology that will make secure financial transactions across the Net possible—Real Soon Now. In the meantime, other types of business activities are already conducted across the networks.

On today's networks, doing business on the Internet refers to how people use this medium to do their work—how they interact with coworkers, peers, and clients; present information about products or services; find information; and exchange information. Increasingly, discussion about businesses on the Internet also includes companies that provide the hardware, software, and content for the Net.

Venture capital firms sit at one of the intersections on the information crossroads—both using the Net as a business communications tool as well as funding companies and services to continue building the Net. Firms such as Accel Partners (*http://www.accel.com/*) and Kleiner Perkins Caufield & Byers (*http://www.home.net/kpcb.html*) have Web pages to present a wide range of information from introducing their partners, listing which start-ups they support, and showing how to either contact them or submit a proposal. One Web site, the Internet Business Center



Netscape: WebCrawler Search Results
Back | Forward | Home | Reload | Images | Open | Print | Find
Location: http://www.webcrawler.com/cgi-bin/WebQuery
What's New? | What's Cool? | Handbook | Net Search | Net Directory | Newsgroups

WebCrawler Search Results

The query "venture capital" found 341 documents and returned 223:

SURFING FOR FINANCE ON THE WEB

COMPUTERS . NOTEBOOKS . UPGRADES . INTERNET

Performance . Reliability . Affordability . Service . Support . Integration

WE ALSO PROVIDE INTERNET ACCESS GIVE US A CALL FOR DETAILS

486DX2-66 Windows Starter System

- 256K Super fast write back Cache
- Intel Pentium Overdrive Ready.
- 4mb 70ns Ram
- 1.44 Mb Floppy
- 540Mb Ide Hard Drive
- 32 Bit VLB Ide Controller
- 32 Bit VLB Graphic Accelerator 1Mb
- 14" SVGA Monitor 1024x768 .28DPI
- Deluxe Mini Tower Case
- 101 Enhanced Keyboard
- 3 Button Hi-Resolution Mouse
- Home or Business Applications
- Ideal for windows applications ie, word processor . spread sheet data base or Any other application

DX2-66 ... $899

DX2-80 ... $949

486 DX4-100 Notebook

* 486 Dx4-100 CPU, AMI BIOS, 4MB RAM Exp to 36MB * 3.5" 1.44MB floppy drive, 340MB HD Exp to 1GB * 32bit local bus IDE interface * 32bit VLB Video1MB RAM * Record, Compress, Store & Play back voice sound & music with built in Sound card, * Built in microphone Speakers w/volume control * 1Serial, 1Parallel Ports * External CRT port upto 1280*1024 16 colors 1024*768 256 colors PCMCIA 2ea type II or 1 type III slot Built in Trackball Mouse

Monochrome ... $1499

Dual Scan Color ... $1969

Active Matrix Color ... $2499

Visit Our New Multimedia Computer Store

100's Of CD Titles To Choose From Near Wholesale

(714) 664-8888

AllMedia Computer Superstore

1512 E. Edinger Ave Santa Ana Ca 92705

PENTIUM 586

Power User Systems

- Intel Pentium CPU with ZIF Socket
- CPU Cooling fan & heatsink
- 256K Super fast write back Cache
- 8 Mb 72 pin 70ns fast RAM
- 1.44 Mb 3.5" Floppy drive
- 850MB IDE Hard Drive
- PCI Enhanced IDE Controller
- 2 Serial & 1 Parallel Ports
- PCI Video Card w1mb RAM
- Quad Speed CD ROM Drive
- Sound Blaster 16 MCD & Speakers
- 14" SVGA Monitor 1280x1024 .28DPI
- Deluxe Mini Tower Case
- 101 Enhanced Keyboard
- MS Compatible Hi-Resolution Mouse

Pentium 90 ... $1699

Pentium 100 ... $1799

Pentium 120/133 ... $Call

PENTIUM Notebook Systems

Intel Pentium CPU, AMI BIOS, 8mb RAM Exp to 36mb * 3.5" 1.44MB floppy & 340MB HD Exp to 1GB * 32bit local bus IDE & 32bit VLB video card 1MB RAM * Record, Compress, Store & Play back voice sound & music with built in Sound card Built in microphone & Speakers w/volume control 2Serial, 1Parallel Ports * External CRT port supports 1280*1024 16 colors 1024*768 256 colors PCMCIA 2ea type II or 1 type III slots, Built in rackball Mouse, Docking station connection.Rechargeable NiMH Battery.

Dual Scan Color P-90 ... $2478

Dual Scan Color ... P-100 ... $2595

Active Matrix Color P-90 ... $2999

Active Scan Color P-100 ... $3099

4 Node Network Starter Kit

1ea 80486 DX4-100 system with 8mb RAM, 1gb hard disk drive, 1.44mb floppy drive, 10 base 2/t ethernet card, SVGA card w/1mb RAM, SVGA NI .28dp monitor, 2serial 1parallel ports, 101 enhanced keyboard. And 3 ea 80486 DX2-66 systems with 4mb RAM, 1.44mb floppy drive, ethernet card, SVGA card w/1mb RAM, SVGA NI .28 dp monitor, 2serial 1parallel ports, 101 keyboard.

Complete 4 Node Kit ... $3399

486DX4-100 Professional Multimedia System

- 256K Super fast write back Cache
- 8Mb Ram 70ns
- 1.44 Mb Floppy
- 540Mb Ide Hard Drive
- 32 Bit VLB Ide Controller
- 32Bit VLB SVGA Accelerator 1Mb
- 14,400 BDS Fax Modem
- Quad Speed CD-Rom Drive
- Sound Blaster 16 MCD Card
- High Performance Speakers
- 14" SVGA Monitor 1024x768 .28DPI
- Deluxe Mid Tower Case
- 101 Enhanced Keyboard
- 3 Button Hi-Resolution Mouse
- Compton's Encyclopedia, Animals

DX4-100 ... $1399

Multimedia Upgrade Kits

CD ROM Upgrades Includes Speakers, 16bit Sound blaster card & 10 CD Titles.

Double Speed Bundle	$169
Quad speed Bundle	$269

CALL FOR CURRENT PRICES

High Capacity Storage

1gb IDE /SCSI hard disk drive	$299/$449
2gb HP SCSI HD Int/Ext	$789/$889
4gb SCSI HD Int/Ext	$1279/$1379
9gb SCSI HD Int/Ext	$2179/$2279

CD Recordables & More

Yamaha 1x Recordable Ext.	$2895
Yamaha 1x with Incat Software	$325
InCat Premastering Software	$399
Gear Premastering Software	$299
1x Pioneer 6CD Changer	$699
1x Pioneer 18CD Changer	$1999
2x Mountain 7CD Changer	$139

DOS . WINDOWS . WINDOWS NT . CHICAGO . NOVELL NETWORKING DESKTOP PUBLISHING

Wether you need a single desktop system or a multinode networked solutiuon, we have the experience know how and the expertise to address your high powerd & sophisticated computing requirements. We provide complete networking solutions and services. Give us call we will put togather a solution for your very own requirements.

Give Us A Call Let's Talk

Prices & specifications subject to chage without notice, prices reflect cash discount, There might be a surcharge for any other form of payment, School & government P.Os welcome, Limited Lifetime Warranty on labour & 1 year parts on complete systems. not responsible for omotions & typographic errors. Returned products might be subject to 15% restocking charge.

Azusa Pacific University
Degree Completion Program

Earn your B.S.
in Computer Information Systems
or Management
Information Systems NOW
at Azusa Pacific University call (818) 815-5301.

- **An Accredited Degree** with a major in either Computer Information Systems or Management Information Systems
- **Adult Learning Environment** Congenial, practical class setting with adult professionals
- **Accelerated format** Attend classes only one evening per week for 15 months.
- **Work/Experience Credit** Receive credit for work experience, military service, and previously earned college credits. (Must have at least 60 units to qualify.)

☐ Send me information for CIS/MIS degree completion MT 7/95
Name ____________
Address ____________
City ____________
State ______ Zip ____________
Phone (______) ____________
Degree Completion Program, School of Business and Management, Azusa Pacific University, 901 E. Alosta Ave., Azusa, CA 91702

AZUSA Pacific UNIVERSITY

Azusa Pacific University is accredited by the Accrediting Commission for Senior Colleges and Universities of the Western Association of Schools and Colleges.

Free Seminars!
Saturday, August 5 and 12, 10 a.m. to 12 noon
Become a Certified Novell Engineer (CNE)

Get the information you need to make smart computing decisions! Introducing Neutron's CNE *Fast Track* & *Fast Lunch* programs. Learn a better way to do business and gain a real-time, real-life understanding of how much easier and more productive network computing can be! Neutron offers the best CNE course:

- Most instructors simply read from the Novell textbook. Neutron's instructors draw from years of hands-on experience to teach real-life solutions to real-world problems.
  - Get free Novell Certification Assessment Tests and a Novell Network Support Encyclopedia (a $450 value.)
  - All classes are taught by Certified Novell Instructors.
  - Job placement help and job search skill training are included at no extra charge.
- *All* our CNE classes include extensive installation instruction about the CD server, fax server and remote server, unlike other schools.
- Class size is limited to six students for maximum individualized instruction.

NEUTRON TECHNOLOGY
Novell Education Center
18726 S. Western Ave., Suite 208, Gardena, CA 90248
(310) 366-7676 Fax (310) 366-5827

Surfing For Finance On The Web *continued...*

(*http://tig.com/IBC/NetStats/Names.html*) offers a list of venture capital firms on the Net that have their own domain names.

To see what venture capital companies, investors, and resources are available on the World Wide Web, I visited three Web sites that offer Net indexing tools: Yahoo, WebCrawler, and InfoSeek. For all three Web searches, I queried the term "venture capital." Each search returned overlapping but somewhat different information, organized slightly differently as well.

WebCrawler (*http://www.webcrawler.com/*) returned a list of 223 links arranged alphabetically, ranging from venture capital firms with investments in both technology and non-technology companies; law offices that handle new companies, intellectual property rights, and investments; general investment news; municipal and corporate information; and more.

> *Venture capital firms sit at one of the intersections on the information crossroads—both using the Net as a business communications tool as well as funding companies and services to continue building the Net.*

Yahoo (*http://www.yahoo.com/*), itself a hot new recipient of venture capital financing, presented some of the same information as WebCrawler, plus resources on nonprofit venture capital investment groups, directories of VC firms, funding sources, small business information, a link to the Price Waterhouse LLP Venture Capital Survey, and links to other indexing services, including WebCrawler, InfoSeek, Aliweb, Lycos, and more. The results of my Yahoo Search were organized in categories (Financing, Venture Capital, Small Business Information, etc.) that made it easy to quickly find what I was looking for.

InfoSeek (*http://www.infoseek.com/*) searches Web sites similar to Yahoo and WebCrawler. This list was shorter but more focused than the other two, including VC firms as well as news and information resources such as *Business Press On-Line* and *Mercury News* Business Section. InfoSeek also offers a commercial version that will search and retrieve articles from a growing list of databases, including over eighty computer periodicals, over ten thousand Usenet newsgroups, Newsbytes, and Cineman Syndicate movie reviews. ■

Copyright © 1995 by Michael Robin. All rights reserved.

Guaranteed Lowest Prices!

We Will Try To Match Or Beat Any Advertised Prices!!

SUPER SALE!
S.V.G.A. 14"
N.I. .28
MONITOR
ONLY $169!

DEPOT 486 VLB SYSTEM

SLC2/66 MHz(IBM)	**$709**
DX2/66 MHz	**$739**
DX2/80 MHz	**$759**
DX4/100 MHz	**$779**

SYSTEMS INCLUDE:

- Green VLB M/B w/256K Cache
- 4MB Memory, 70ns
- 1.44MB Floppy Drive
- 540MB HDD
- VLB EIDE 2 Serial/1 Parallel/ 1 Game Ports
- VLB SVGA Controller
- 14" SVGA N.I., .28dp
- 101 Enhanced Keyboard
- Mouse
- Mini Case w/Digital Display, 230W P/S

DEPOT PENTIUM

- PENTIUM 90/100MHz
- 8MB Memory, 70ns
- 1.44FDD
- Mouse
- PCI w/1MB RAM
- SVGA 14" Monitor N.I.
- 101 Enhanced Keyboard
- Midtower w/Digital Display, 230W P/S
- 850MB HDD

$1299/$1399

DEPOT MEMORY 5 YEAR WARRANTY!

30 PINS

1x8 (1MB)	$29
4x8 (4MB)	$109
1x9 (1MB)	$33
4x9 (4MB)	$125

72 PINS

4MB 32/36	$133/$144
8MB 32/36	$265/$275
16MB 32/36	$455/$468

Prices are subject to change w/out notice.

SYSTEM REPAIR

We Will Solve Any Problem On Your System!!
$40 + Parts
We Install CD-ROM's HARD DRIVES, FLOPPY DRIVES, SCANNERS, MEMORY & MORE!

MEMORY

WE BUY & TRADE-IN NEW & USED MEMORY 5 YEAR WARRANTY ON NEW MEMORY!

SYSTEM UPGRADE

UPGRADE ANY SYSTEM 286 or 386 TO:

486SLC-66MHz VLB	**$139**
486DX2-66MHz VLB w/256K Cache	**$189**
486DX-80/DX4-100MHz VLB	**$215/$235**
PCI 90MHz	**$525**
PCI 100MHz	**$629**

FREE LABOR!

MULTIMEDIA KIT

CD 16
CD-ROM
Sound Blaster
12 CD Titles
Speaker
ONLY $189!

BUY/SELL/TRADE-IN NEW & USED HARD DRIVES

REPAIR CAPACITY	PRICE	REPAIR CAPACITY	PRICE
20-39MB	**$35**	200-299MB	**$90**
40-49MB	**$50**	300-399MB	**$100**
50-89MB	**$65**	400-499MB	**$110**
90-159MB	**$75**	500-679MB	**$125**
160-199MB	**$80**	700-1GB	**$155**

DATA RECOVERY

CAPACITY	MFM/RLL/IDE ESDI/SCSI	CAPACITY	MFM/RLL/IDE ESDI/SCSI
20-39MB	**$250**	200-299MB	**$500**
40-49MB	**$300**	300-399MB	**$550**
50-89MB	**$350**	400-499MB	**$600**
90-159MB	**$400**	500-679MB	**$650**
160-199MB	**$450**	700-1GB	**$850**

Specialize in Mac, DOS, Novell.
Data Recovery Includes: Repair of the Drive.
No Charge If We Are Unable To Recover Data.
For Fast, Successful Results Call Compu-Depot.
24-Hour Turnaround Available!

MONITORS

Shamrock 17", .28dpi	$509
Shamrock 15", .28dpi	$289
Shamrock 14", .28dpi	$199

KEYBOARDS

101 Enhanced Keyboard/Mouse	$17/$7

HARD DRIVES

540MB Seagate, Conner, Samsung	$154
850MB Seagate, Conner, Samsung	$209
1.2GB Seagate, Conner, Samsung	$289

FLOPPY DRIVES

1.2FDD Teac, Sony, Mitsumi	$39
1.44FDD Teac, Sony, Mitsumi	$26

CPU

486DX-66MHz	CALL
486DX-80/100MHz	CALL

ADD-ON CARDS

32 Bit VL-Bus IDE I/O	$17
32 Bit VL-Bus SVGA Card w/1MB	$69
16 Bit IDE I/O	$15
16 Bit SVGA Card	$65

TAPE BACKUP

250MB Colorado, Conner	$139
420MB Colorado, Conner	$159

FAX/MODEM

14.4K V.32, V.42 Bit	$49
14.4K w/Voice Mail	$59

CASES + POWER SUPPLY

Mini Tower w/230 Watt	$33
Mid Tower w/230 Watt	$54
Full Tower w/250 Watt	$74

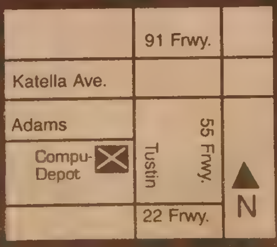
ONE YEAR WARRANTY PARTS & LIFETIME WARRANTY LABOR!

COMPU-DEPOT

1628 E. Adams Ave.
Orange, CA 92667

TEL: (714)288-4080
FAX: (714)288-4084

BUSINESS HOURS:
Mon. to Fri. 9am to 7pm
Sat. & Sun. CLOSED



Venture Capital And The Internet (And More!)

Comments On The Future Of The Online Craze, Multimedia, Computing, And Venture Capital

Recently we spoke with a couple of venture capitalists involved in the computer-related arena (Ann Winblad and Kevin Fong) and a couple of people who follow and report on the venture capital industry itself (Anthony Perkins of The Red Herring and Richard Shaffer of Technologic Partners) about the impact of the Internet on the venture capital world and the differences and/or similarities between the PC revolution of the '80s and the present rush to be online. In addition, Ms. Winblad shared her experiences with T/Maker and Mr. Perkins commented on the cooling multimedia craze and the home market.

—John Downen

Ann Winblad
Hummer Winblad Venture Partners
awinblad@humwin.com

Our volume of resumes, questions, and general interaction via email has increased dramatically. Most entrepreneurs do not email us an entire plan, but test out the venture-marketability of their ideas via email. Since we prefer to see an executive summary first, email submission is preferred. Email submissions tend to go to the top of our stack as they are staring us in the face on our desktops at work and at home. All of our partners share a common mail server so it also allows us to route plans quicker if we can do it digitally, even to read submissions when we are on the road. Our Web site will be up and running this summer. In the meantime we have used other special interest Web sites for announcements and recruiting. We have found this casts our net much further and has expanded our recruiting and deal flow reach.

The infobahn has many potholes that will be filled by a large number of small companies. The challenge is finding companies that scale to large-size businesses once the potholes are filled.

We believe that indeed, as George Gilder says, we are expanding from a mere microcosm to a telecosm. Part II of the software revolution has several components. Part I was the desktop revolution; this implies corporate desktop. Part II continues to be driven by the dramatic price/performance change in microprocessors—enabling multimedia PCs for consumers and distributed computing in corporations with high-performance, low-priced servers. The creation of the unbounded network in corporations and the expanded access to information, along with the rapid population of PCs in homes, has driven the need for a common communication network; social computing on the consumer end and corporate communication on the business end. The social computing phenomenon was certainly a driver in Internet use.

I do not view the Internet as the market itself, although it is one of the market expansion forces.

When we started our fund in the fall of 1989 with a total focus on software, it was very hard to get our fund started; investors thought software companies were not valuable and that the assets walked out the door at night. We prevailed and raised a $35 million fund that fall. That fund has already returned almost $90 million to our investors. When we raised our first fund in 1989 the software market was a $22 billion annual revenue industry—by the end of 1994 the software industry had grown to $80 billion. Since Microsoft had only $4 billion in revenue, it suggests there has been ample

MD&I Computers

The Pentium Specialists

Pentium 100
Multimedia

- INTEL PENTIUM CPU 100 MHZ W/ COOLING
- 8 MB RAM
- 850 MB HARD DRIVE
- 1.44 M FLOPPY DRIVE
- 15" .28 DP N.I. DIGITAL MONITOR
- PCI 64 BIT S3 W/2MB
- PCI 4-SLOT MOTHERBOARD
- 256K CACHE
- PCI IDE I/O W/ FDD PORT
- 2 SERIAL, 1 PARALLEL, 1 GAME PORT
- 101 ENHANCED KEYBOARD
- HIGH RESOLUTION 3-BUTTON MOUSE
- DELUXE MID TOWER CASE W/ 250W
- 4X QUADRA SPEED CD-ROM
- 16 BIT SOUNDBLASTER SOUND CARD
- DELUXE 125 WATT AMPLIFIED SPEAKERS
- 14 TITLE CD SOFTWARE PACKAGE

$1849

Pentium 90
Multimedia

- INTEL PENTIUM CPU 90 MHZ W/ COOLING
- 8 MB RAM
- 850 MB HARD DRIVE
- 1.44 M FLOPPY DRIVE
- 15" .28 DP N.I. DIGITAL MONITOR
- PCI 64 BIT S3 W/2MB
- PCI 4-SLOT MOTHERBOARD
- 256K CACHE
- PCI IDE I/O W/ FDD PORT
- 2 SERIAL, 1 PARALLEL, 1 GAME PORT
- 101 ENHANCED KEYBOARD
- HIGH RESOLUTION 3-BUTTON MOUSE
- DELUXE MID TOWER CASE W/ 250W
- 4X QUADRA SPEED CD-ROM
- 16 BIT SOUNDBLASTER SOUND CARD
- DELUXE 125 WATT AMPLIFIED SPEAKERS
- 14 TITLE CD SOFTWARE PACKAGE

$1769

486 DX-4 100
Multimedia

- 486 DX4-100 CPU W/ COOLING
- 8 MB RAM
- 540 MB HARD DRIVE
- 1.44 M FLOPPY DRIVE
- 14" .28 DP N.I. MONITOR
- 32 BIT VLB W/ 1MB SVGA CARD
- VLB 3-SLOT MOTHERBOARD
- 256K CACHE
- 32 BIT VLB IDE/IO CARD
- 2 SERIAL, 1 PARALLEL, 1 GAME PORT
- 101 ENHANCED KEYBOARD
- HIGH RESOLUTION 3-BUTTON MOUSE
- DELUXE MID TOWER CASE W/ 250W
- 2X DOUBLE SPEED CD-ROM
- 16 BIT STEREO SOUND CARD
- DELUXE 120 WATT AMPLIFIED SPEAKERS
- 14 TITLE CD SOFTWARE PACKAGE

$1199

486 DX-2 66
Value System

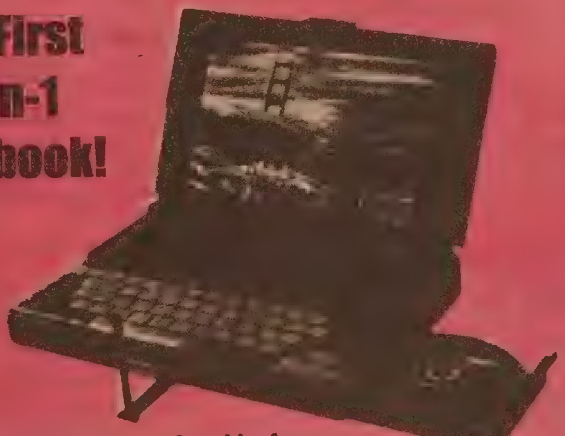
- 486 DX2-66 CPU W/ COOLING
- 4 MB RAM
- 540 MB HARD DRIVE
- 1.44 M FLOPPY DRIVE
- 14" .28 DP N.I. MONITOR
- 32 BIT VLB W/ 1MB SVGA CARD
- VLB 3-SLOT MOTHERBOARD
- 256K CACHE
- 32 BIT VLB IDE/IO CARD
- 2 SERIAL, 1 PARALLEL, 1 GAME PORT
- 101 ENHANCED KEYBOARD
- HIGH RESOLUTION 3-BUTTON MOUSE
- DELUXE MINI TOWER CASE W/ 200W

Great Price!

$819

CD-NOTE
Multimedia

The First 3-in-1 Notebook!



- Built-in Double Speed CD-ROM
- Built-in PCMCIA (1) III / (2) II
- Built-in 16-Bit Stereo Sound Card
- Built-in Stereo Speakers
- Built-in Retractable Microphone
- Built-in Battery
- Built-in Pointing / Tracking Device
- Built-in VLB VGA Windows Accelerator
- Removable Hard Disk Drive
- Removable Floppy / Battery / Video Module
- MPEG Video Module Support
- 10.4 inch TFT LCD
- 3.3V CPU
- 1 MB Video RAM
- Ports for external speakers, keyboard and CRT
- All standard serial, parallel and game ports

$2,579

DUAL SCAN DX4-100 8MB / 340 MB

See Us At

COMDEX/Fall'95

The World's #1 Information Technology Marketplace
for Resellers and Corporate Decision Makers

November 13–17, 1995
Las Vegas, Nevada USA
Booth #S4379 - Sands Expo & Convention Center

Superior Quality & Service

Each system includes:

"Top-to-Bottom" full one year warranty
and
3-month customer support program

9682 Telstar Ave. #102
El Monte, CA 91731

(818)442-8899
Fax (818)442-8710

ONE STOP FOR

CUSTOM SOFTWARE PROGRAMMING

- Our consultants will help you determine your software needs and design a program that will run efficiently on your hardware and improve your productivity. We bundle, set-up and install equipment only after our consultants have identified your needs for hardware, software and training.
- We do text imaging, optical character recognition
- Our consultants will guide you towards your final solutions

Novell Certified NetWare Engineer

Microsoft Windows Ready-to-Run

We've built our good name and strong reputation on supporting many different system needs. Whether you are a large corporation with a complicated network or an end-user with one system, we know how to handle your requirements. We work with our satisfied customers to identify the best system for staying productive. Occasionally systems need service and we're available to keep your systems running efficiently and effectively. Let us know what you want to accomplish with your new system and you'll see why our business grows month after month.

Network • Hardware • Software • Service & Training

LANtastic

NETWORKING, MULTIMEDIA AND BEYOND

GRAPHIC DESIGN PC

- 8MB Hi Speed Ram
- 256K Write Back CACHE
- 540MB IDE Hard Drive
- 3.5" Diskette Drive
- MAG 15" Non Interlaced .28 Monitor
- PCI Enhanced IDE Controller Card
- Diamond Stealth 64 PCI 2MB Win Accelerator
- Extra Heat Sink Fan
- Hi Speed 16550 Comp. I/O Port
- 101 Enhanced Keyboard
- Hi-Resolution Mouse
- 7-Bay Tower Case w/230 Watt

P5-75MHZ	$1499
P5-90MHZ	$1599
P5-100 MHZ	$1699
P5-120MHZ	$2099

GRAPHIC PRO PC

- 8MB HI Speed Ram
- 256K Write Back Cache
- 850MB Enhanced IDE Hard Drive
- 3.5 Diskette Drive
- MAG 15" Non Interlaced Monitor (3 year limited Warranty)
- PCI Enhanced IDE Controller Card
- Diamond Stealth 64 PCI 2MB the best Accelerator for DOS and Windows (5 year Manuf. Warranty)
- Extra Heat Sink Fan
- Hi Speed 16550 Comp. I/O Port
- 101 Enhanced Keyboard
- Hi Resolution Mouse
- 7-Bay Tower Case w/230 Watt
- 4X CD-Rom, 16Bit Sound Blaster, 2-115W Speakers, 14 CD Titles

P5-75MHZ	$1835
P5-90MHZ	$1935
P5-100MHZ	$2035
P5-120MHZ	$2435

GRAPHIC CAD PC

- 16MB RAM 256K Cache
- 1.2 GB Enhanced IDE Hard Drive
- 1.44MB Floppy Drive
- PCI Enhanced IDE Interface
- Diamond Stealth 2MB PCI
- MAG 17" Flat Screen Monitor 1280x 1024 Flat
- 4X CD ROM
- 2 Serial, 1 Parallel, 1 Game Port
- Enhanced 101 Keyboard
- 7-Bay Tower Case
- Free Hi-Res Serial Mouse
- Extra Heat Sink Fan

DOS & Windows Package	$90
P5-75MHZ	$2329
P5-90MHZ	$2429
P5-100MHZ	$2529
P5-120MHZ	$2929

WIDE SCSI PC

- 16B RAM 256K Cache
- 2.0 GB Wide Fast SCSI Hard Drive
- 1.44 MB Floppy Drive
- Adaptec 2940 W PCI Wide Fast SCSI Interface
- Diamond Stealth 2MB PCI
- MAG 15" 1280x1024 Flat Screen Monitor
- 4X SCSI CD ROM
- 2 Serial, 1 Parallel, 1 Game Port
- Enhanced 101 Keyboard
- 7-Bay Tower Case
- Free Hi-Res Serial Mouse
- Extra Heat Sink Fan

DOS & Windows Package	$90
P5-75MHZ	$3019
P5-90MHZ	$3119
P5-100MHZ	$3219
P5-120MHZ	$3619

MULTIMEDIA PACKAGES

PACKAGE #1 .... $279

- 4X CD ROM, Qual Speed
- 16BIT Sound Blaster Compatable Sound Card
- 2 Min Speakers
- MS Home Bundle or 14 CD Titles

PACKAGE #2 .... $319

- 4X CD-ROM, Quad Speed
- 16 Bit Sound Blaster Card
- 2 Speakers (115 Watt)
- MS Home Bundle or 14 CD Titles

PACKAGE #3 .... $449

- Plextor 4X CD ROM SCSI
- SCSI-2 Sound Blaster Card
- 2 Speakers (115 Watt)
- MS Home Bundle or 14 CD Titles
- Toshiba 4.4X add $35

Terms and Conditions: All UPS shipping charges and service fees are non-refundable. 14 day money back guarantee. 15% restocking charge before 30 days. After 30 days no refund. Printers and monitors warranty by manufacturer. CD titles and software are not refundable after opened. Prices are reflective of cash and check discounts. Prices are subject to change without notice.

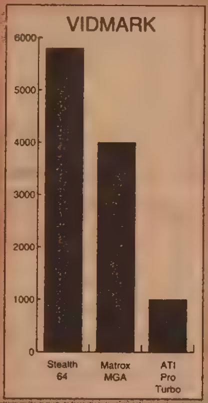
QUALITY COMPUTERS, INC.
13001 Ramona Blvd., #C • Irwindale, CA 91706
Sales (818) 960-1933 • Tech Support (818) 960-6093 • Fax (818) 337-5025
Hours: Monday–Friday 9:00–6:00, Saturday 10:00–4:00, Sunday 10:00-4:00

KINGSLEY COMPUTER, INC.
15711 E. Valley Blvd. • City of Industry, CA 91744
Sales (818) 369-2295 • Tech Support (818) 369-0224 • Fax (818) 369-6818
Business Hours: Mon–Fri 9:00–6:00

TOTAL SOLUTIONS

HERE'S HOW STEALTH DID IT

- The Fastest accelerator available.
- Powerful: Combines streamlined graphics with high performance processing power.
- Versatile: Comes with drivers for almost every application.
- Colorful: True Color performance in high resolution for sharp, clear text and graphics, up to 1152x864.
- Easy to use: Comes with Multimedia's InControl Tools support virtual desktop color correction, real time pan & zoom, and resolution switching on-the-fly.
- Unlimited Support: Get help via phone or fax, CompuServe America Online.
- Easy to Install.



FAMILY SYSTEM

- 8MB Hi Speed RAM
- 256k Write Back Cache
- 540MB IDE Hard Drive
- 3.5" Diskette Drive
- 14" .28 Non Interlaced Monitor
- PCI Enhanced ID Controller Card
- PCI 1MB Win Accelerator Exp. 2MB
- 2 Serial, 1 Parallel, 1 Game Port
- Hi Speed 16550 Comp. Port (P5)
- 101 Enhanced Keyboard
- Hi Resolution Mouse
- 7- Bay Tower Case w/230 watt
- Extra Heat Sink Fan
- 4X CD-ROM, 16 Bit Sound Card, 2 Speakers, 14 CD Title Add $279

486DX4/100	$1049
P5-75MHZ	$1259
P5-90MHZ	$1359
P5-100MHZ	$1459

MEDIA PRO

- 8MB RAM 256K Cache
- 1.44MB Floppy Drive
- 850MB, 11ms Enhanced IDE Hard Drive
- PCI Enhanced IDE Interface
- PCI SVGA Card w/1MB
- 2 Serial, 1 Parallel, 1 Game Port
- 15" Flat Screen Monitor 1280x1024
- 101 Enhanced Keyboard
- 7-Bay Tower Case
- Free Hi-Res Serial Mouse
- Quad Speed (4x) CD ROM Drive
- 16 Bit Sound Blaster Comp.
- 2 Speakers
- MS Bundle or 14 CD Title
- Extra Heat Sink Fan

486 DX4/100........	$1469
P5-75MHZ..........	$1679
P5-90 MHZ..........	$1779
P5-100MHZ	$1879

HURRICANE PC

- 8MB Hi Speed RAM
- 256K Write Back CACHE
- 1.2GB Enhanced IDE Hard Drive
- 3.5" Diskette Drive
- 15" Non Interfaced Monitor .28
- PCI Enhanced IDE Controller Card
- PCI SVGA Card 1MB Win Accelerator
- Extra Heat Sink Fan
- Hi Speed 16550 Comp. I/OPort
- 101 Enhanced Keyboard
- Hi Resolution Mouse
- 7-Bay Tower Case w/230 watt
- 4X CD-ROM

486 DX4/100MHZ....	$1439
P5-75MHZ	$1649
P5-90MHZ	$1749
P5-100MHZ	$1849
P5-120MHZ	$2249

BEST BUY PRO

- 16MB RAM 256K Cache
- 1.44MB Floppy Drive
- 850MB 11ms Enhanced IDE Hard Drive
- PCI Enhanced IDE Interface
- 2 Serial, 1 Parallel , 1 Game Port
- PCI Diamond Stealth w/2MB
- 15" Flat Screen Monitor 1280x1024
- 101 Enhanced Keyboard
- 7-Bay Tower Case
- Free Hi-Res Serial Mouse
- Quad Speed (4x) CD ROM Drive
- 16 Bit Sound Blaster Comp.
- 2 Speakers (115 Watt)
- 14 CD Titles
- Extra Heat Sink Fan

DOS & Windows Package. .	$90
P5-75MHZ	$1928
P5-90MHZ	$2028
P5-100MHZ	$2128

Quality Computer (818) 960-1933 • Kingsley Computer (818) 369-2295

QUALITY FROM THE COMPANY YOU KNOW & TRUST!

486 DX2 SYSTEM

- SHS 486DX2/66 VLB
- 4 MB RAM 70ns
- Mini-Tower Case
- 230 Watts UL & CSA
- Teac 1.44 Floppy
- Maxtor 540MB HD
- IDE Controller
- 2 Serial, 1 Parallel I/O
- Keytronics 101 Enhanced
- VLB/VGA Card
- SVGA 14" .28 1024x768NI
- MS Serial Mouse

$995

PENTIUM 90

- SHS Pentium 90 MHz 256K Cache PCI
- 8 MB RAM 70ns
- Mid-Tower Case
- 230 Watts UL & CSA
- Teac 1.44 Floppy
- Western Digital 1GB
- IDE Controller
- 2 Serial, 1 Parallel UART 16550
- Keytronics 101 Enhanced
- Diamond Stealth 32 2MB VRAM
- MAG DX15F 15" Monitor
- MS Serial Mouse

$1799

MultiMedia Subsystems starting @ $199

AMI MULTIMEDIA

- AMI Atlas Pentium 100 MHz 256K Cache PCI
- 16 MB RAM 70ns
- Full-Tower Case
- 235 Watts UL & CSA
- Teac 1.44 Floppy
- 2.1GB SCSI II
- Adaptec 2940 SCSI Controller
- Built-in UART 16550
- Keytronics 101 Enhanced
- Diamond Stealth 64 2MB VRAM
- MAG DX17F 17" Monitor
- MS Serial 2.0 Mouse
- Toshiba XM3501B CD-ROM
- Sound Blstr 16w/Spkrs & Titles

$3995

FILE SERVER

- Micronics Dual Pentium W/190 MHz
- 32 MB RAM 70ns
- Super-Tower 13 Drive Bay
- 300 Watts UL & CSA
- Teac 1.2 Floppy
- Teac 1.44 Floppy
- 4 GB WIDE SCSI HD
- Adaptec 2940 W Controller
- 2 Serial, 1 Parallel UART 16550
- Keytronics 101 Enhanced
- Trident 256K Graphic Card
- VGA Monochrome 14" Monitor

$4299

For AMI TITAN II Add $300
For Pentium 100 Add $125

MONITORS

NANAO

F215	15"	.28	1280x1024@66Hz	$649
F217	17"	.16	1600x1200@66Hz	899
F217EX	17"	.26	1600x1200@66Hz	999
T217TS	17"	.25	1600x1200@66Hz	1099
T217	17"	.25	1600x1200@68Hz	1349
T220	20"	.30	1600x1200@68Hz	2090
F221	21"	.28	1600x1200@72Hz	Call
FX221	21"	.26	1600x1280@80Hz	Call

MAG INNOVISION

MX	15	15"	.28	1280 X 1024	$425
DX	15FG	15"	.28	1280 X 1024	399
MXP	17	17"	.26	1600 X 1280	899
MX	17FG	17"	.26	1280 X 1024	799
DX	17F	17"	.26	1280 X 1024	699
MX	21F	21"	.28	1600 X 1280	1699

VIEW SONIC

4E	14"	Super VGA	.281024 X 768	$289
6E	14"	Super VGA NI	.281024 X 768	299
14E	14"	Super VGA NI	.281024 X 768 70Hz	349
15E	15"	Flat Screen NI	.2876Hz refresh	389
15EX	15"	Flat Screen NI	.281280 x 1024	445
17E	17"	Digital Multi-Freq.	.281280 x 1024	725
17G	17"	Digital Multi-Freq.	.281600 x 1280	749
15	15"	Digital Multi-Freq.	.281280 x 1024	455
17	17"	Digital Multi-Freq.	.281600 x 1280	829
20	20"	Digital Multi-Freq.	.281600 x 1280	1499
21	21"	Digital Multi-Freq.	.281600 x 1280	1649

SYSTEM BOARDS

AMI

(Made in USA)
(w/CPU, OK Memory)

Titan Dual Pentium EISA/PCI	$1349
Atlas Pentium PCI 90/100	899/1049
Excaliber Pentium EISA/PCI 75	749
Excaliber Pentium PCI 60MHz	599
[illegible]	[illegible]
Enterprise IV Eisa VLB DX2/66	549
Super Voyager III DX2/66-100	499/599

MICRONICS

M54Pi Pentium 90	$699
M54Pe Pentium 90 Dual Pent	995
M4Pi 486PCI/NoCPU	325
JX WB 486VLB/No CPU	249
LX30 486VLB	199
EV3 486EISA VLB/No CPU	349

AIR

(Made in USA) (No CPU)

486 VLB	$149
486 VLB/EISA	349
Pentium 90 ISA/EISA/PCI	CALL
Dual Pentium EISA/PCI SCSI II Wide-IDO-I/O	1199

intel inside

Intel Plato 90 256K	$699
Intel Plato 100 256K	799
Intel Triton w/8MB RAM	699
For other Boards	CALL

TYAN

(Made in USA)

Dual PENTIUM 90/100 PCI/EISA	$1299/1599
PENTIUM 90/100 PCI/EISA/VL	CALL
486 ISA/EISA/VL	CALL

ASUS

Pentium Triton 90/100	$699/799
Pentium EISA/PCI 90/100	CALL
486DX2-66 ISA/PCI	349

ATTN: All ASUS Boards have Integrated FD/HD/10's

HARD DRIVES

MICROPOLIS®

2112A 1.0GB IDE	$325
2217A 1.7GB IDE	599
4221 2.0GB SCSI II	899
1936AV 3.0GB SCSI II	799
3243 4.0GB SCSI II/WIDE	1199/1499
1991 9.0GB SCSI II/WIDE	2095/2699

Maxtor®

540MV 540MB IDE	$195

SUPER SPECIAL

[illegible] SCSI Hard Drive [illegible]

WESTERN DIGITAL

2420 420MB IDE	CALL
2540 540MB IDE	CALL
31200 1.2GB IDE	$389

Seagate

ST-3491A 425MB IDE	$199
ST-3660A 540MB IDE	189
ST-31220A 1.0GB IDE	349
ST-12400N 2.0GB SCSI II	875
ST-32550N 2.1GB SCSI N/W	975/1099
ST-15150N 4.0GB SCSI N/W	1499/1599
ST-410800 9.0GB SCSI N/W	2599/2999
ST-15230 4GB	1299

For Externals add $100

PC POWER & COOLING

270W SILENCER	$169
300W TURBO-COOL	179
450W TURBO-COOL	179

CONTROLLERS

AMI FASTDISK	EISA/CACHING	$399
AMI FASTLAN	MEGA RAID	CALL
MYLEX DCE	EISA/SCSI II CACHING	399
ADAPTEC	2742 EISA/SCSI II	375
ADAPTEC	1542B ISA/SCSI II	259
ADAPTEC (PCI)	2940/2940W	229/299

VIDEO ADAPTORS

STEALTH 64 VIDEO VLB/PCI 2MB/4MB	$299/448
SPEED STAR PRO VLB	109
SPEED STAR 64 PCI	145
STEALTH 24 VLB/ISAw/1MB	155
STEALTH 32 PCI 1MB	99

DIAMOND

ORCHID

BRAND NEW KELVIN 64 VLB/PCI 1/2MB	$149/199
BRAND NEW KELVIN E-Z VLB/PCI 1/2MB	109/149
Fahrenheit VLB w/ Sound 1MB/2MB	
BRAND NEW! Fahrenheit 64, 64 Pro & Prodesigner 64	

Ultra Pro Turbo 64 VLB/PCI 2/4MB	$299/499
Ultra Plus Turbo 64 VLB/PCI 2/4MB	299/499
Ultra Plus/Pro 32 VLB/PCI 2MB	199/249
WONDER MACH 32 VLB/PCI 1MB	119

ALL OTHERS CALL!!!

matrox

ISA/VLB/PCI All in Stock
Call for Best Prices

MULTIMEDIA

SONY/SANYO CD-ROM	$149
TOSHIBA 3601 CD-ROM QUAD-SPD.	299
MITSUMI QUAD SPEED	199
TEAC QUAD SPEED	199

CALL FOR OUR CD-ROM, SOUND CARD BUNDLE PACK SPECIALS!!!

SYSTEMS / CASES

DIAMOND CASES

MINI TOWER 230W MID / FULL TOWER 250W
SUPER TOWER 300W HEAT FAN

WE ARE ONE OF THE LARGEST OEM ASSEMBLY HOUSES ON THE WEST COAST WITH TRAINED TECHNICIANS TO ANSWER ALL YOUR SUPPORT NEEDS.

Open M-F
8AM-6PM

- **Prices Subject to Change**
- **Not Responsible for Typographical Errors**

Serving you for 10 Years

SOFT HARD
SYSTEMS

(818) 999-9531
FAX (818) 999-9683
jlevi@aol.com
6301 DeSoto Ave. Suite C
Woodland Hills, CA 91367

Venture Capital And The Internet *continued...*

opportunity for many software companies to participate in the wealth creation.

T/Maker had a talented first-time CEO, Heidi Roizen. We supported her, but continually confronted her with hard decisions to make. She needed to face the fact that one of her product lines had a very limited future, although it made up the bulk of her revenue. We also helped her reconstruct a business model based on consumer pricing and consumer volumes. There were very few success models at the time, so this required very strategic thinking. This knowledge not only helped T/Maker but has served us well in other consumer software investments.

The business model [for content providers] is very challenging. It is a game of inches versus miles. For example, to build a $10 million consumer software company requires unit sales of close to 900,000. The price points demand high volumes and flawless execution of the strategy. Content companies are risky investments. Entrepreneurs make mistakes as they gain experience, and we fund entrepreneurs. But we think we have a good understanding of the business models, the risks, and the opportunities and have continued to fund consumer software companies.

Kevin Fong
Mayfield Fund
kfong@mayfield.com

I think email as a vehicle for communication with both our portfolio companies and doing due diligence on business plans—easy access to research reports and information about who's doing what, news items, things like that—is just incredible. And in terms of just operating our own business, getting financial information is incredibly easy too.

The other thing too is that, in our business, keeping and using personal relations as resources to stay abreast of what's happening is important and the Internet makes it an easy forum for that; and I find that it improves our personal leverage. The same way that the cellular telephone was a quantum leap, I think that the Internet is also providing that same sort of quantum leap in terms of productivity and how I do my job day to day.

As an investment opportunity, I think [the Internet is] going to have such a profound impact on our lives, on how we do business, on how we communicate, on how we interact with one another that it's just going to open up a huge number of opportunities. I've no idea what those are, [and] I don't think we can fully realize the impact of it. I mean, you see people jaded, industry veterans from the PC and the software industry that are completely stunned—I'm talking about guys like John Seely Brown, who runs Xerox PARC; and Arno Penzias, who is a Nobel laureate and VP of research at Bell Laboratories; and guys like Chuck Geschke, founder of Adobe—these guys are all stunned by the Internet. Stunned because even though they've been around it and understand it, they cannot believe what's happening, they cannot believe the acceleration. And so when people like that, who are jaded and see a lot of things, also are literally stunned, I think you can't help but take notice.

There are sort of two camps in the venture capital world right now: There's this one camp that says, "God, I don't get it. So you browse and find some interesting things, but big deal." And then you have other people, like first year out of engineering school or first year MBA students that I've interviewed, that say, "God, I can't believe I spent so many hours. I feel so guilty about how many hours I sit there browsing on the Net." And so [there is] that disparity of view, there is some view of changing how you interact with other people, how you get information, and what you do for fun.

There are going to be and there have been a lot of interesting new investment opportunities in the Internet areas. The majority of deals that we're looking at are sort of infrastructure, things that make that whole infrastructure work better, whether it's software, whether it's equipment hardware and data communications hardware, things like that.

The applications are just starting as well, and people are essentially asking us to fund the equivalent of storefronts on the Internet. That's sort of an obvious business as well. So if you want to sell CDs, like one of our companies that we've invested in does, or whether you want to offer employment services or you name it, those types of plans are popping up all over as well.

I thing the big guys will get their share because they're part of the business, they do understand, but I think there's enough of the business of what the Internet will mean—accommodation, not just communications, and voice and consumer marketing and technology and all those factors—I think that the venture capitalists understand a lot of those factors very well. And venture capitalists, along with the entrepreneurs who start the companies, will have lots of opportunities.

Anthony Perkins
The Red Herring
http://www.herring.com

I would say that the Internet component that is emerging is going to create all sorts of new venture capital opportunities for service and information providers to develop new and very innovative sales channels that are lower in expense and higher in terms of being a mass-medium sales channel. That means that the venture capital opportunities [lie] in what I would call the Internet tool-related area: in any software or hardware tool that makes the Internet easier to use, easier to manage, [or] provides a better search-and-retrieval capability that helps create the opportunity to execute secure transactions over the Internet. The Internet market is very new, it's very slow, it's very cumbersome, it's very disorienting, but it's a very viable new communications and sales channel and it's really super cheap. I also believe that, moving up a level, it's going to create lots of opportunities to create little media companies who use the Internet as their primary distribution, such as *The Red Herring*, where we are going to be using the Internet to deliver and sell information.

One level of hype [about multimedia] came from the anticipation of interactive TV. What I think people realized is that television is still going to be primarily a passive medium. But I still think that once a two-way fiber optic cable is designed or implemented, or whatever other exotic two-way digital delivery system is settled upon, that there will be value in being able to create or basically order content on demand. But again, that is more of a transaction-based exercise and not where you're getting involved in changing the end of movies.

What we learned about CD-ROM, which was the next level of hype that came crashing in, was that the ability to digitize audio, high-resolution graphics, and even video onto [the] computer gives you a glimpse of what life is going to be like. But I think the CD-ROM medium was really designed for pretty much audio and was a very cumbersome, slow, and boring medium. And so that's why we've seen a lot of shakeout.

The way I see it is as the training wheels for the eventuality of online delivery of multimedia content. So once entrepreneurs, that are being

Venture Capital And The Internet *continued*

backed by venture capitalists, rush in and solve all of the input problems on the Internet, plus the entrepreneurial chip makers and communications tool people that are working to create compression chips that compress multimedia content down to manageable levels, then you're going to really see the ultimate blossoming of the marriage between multimedia content and the personal computer.

Eventually you'll be downloading movies and infomercials and other content into your television, you'll be downloading your music into your stereo, and then you'll be using online services to do your homework and do business research and gather information and then also communicate with other people from your home, around the world.

It was reported somewhere that the number of personal computers sold into the home has just surpassed the number of personal computers sold into business. I believe that there are two things driving that: One was in part CD technology, and that's more kind of a novelty. It gave parents and people who buy computers for their home one more use for their computer at home. The second thing is obviously the whole online and Internet phenomenon.

I see the continuation in the trend of computers going into the home, and I think that will continue to accelerate. And I would predict right now that eventually the personal computer into the home will become as ubiquitous as the television set, which I think has something like 98% penetration into the home, whereas I think the personal computer is only [up] to 30 or something. And what will drive that is the Internet, ultimately. Projecting out, there will be certain transactions that people will execute on the Net—like checking your checking account, ordering plane and concert tickets, ordering all sorts of things—which will make having email and an Internet address kind of a must-have, or else you'll be at a disadvantage in society. I call this overall phenomenon the automated-tellerization of society.

So I think where the hype gets out of distortion is when people build their business plans around the Internet as a channel and as their only channel because they're so in love with technology that they forget that, really, we're still in kindergarten or even playschool in terms of the development of the Internet. I mean there's only three million casual Web surfers right now on a good day; and that, compared to 250 million people in the United States, is an extremely low percentage, a very humbling percentage of our population. So it's not ready for prime time.

That's going to take three to five years, but once that critical mass of users comes up to a certain point, then all sorts of other new opportunities will be created. But I think what will happen while that phenomenon is occurring, is all these entrepreneurs will be out solving all the technological disadvantages, helping to organize people so that they can get at the information they need. They're creating search-and-retrieval engines and the tracking systems so you can tell who's visited your site. There's all sorts of private companies that are scattered everywhere that are out busting their ass to create the technologies to solve all these issues, which are all great opportunities for venture capitalists.

I believe that the efficiencies and power gained through networking, whether it's networking technology within a company or just the emerging consumer network in the form of the Internet, take the efficiency of the personal computer times a zillion.

I would even go so far as to say that it's going to make the personal computer revolution look like we were playing with tinker toys.

Richard Shaffer

Technologic Partners
(213)348-1900

Excerpts From *VentureFinance*, June 1995
© 1995 by Technologic Partners, all rights reserved.

Will we look back, a decade or two hence, and see changes of similar magnitude [to those brought about by the Interstate highway system in the '50s] wrought by today's electronic infrastructure projects? Will brand-name Web sites be as familiar as Mobil stations and franchise fast-food restaurants and motels at the interchanges along the concrete highways? Will the Internet have fundamentally altered the patterns of commerce and the economics of distribution of information, spawning hugely successful new companies, creating whole new industries and destroying others?

The venture capital community certainly seems to be betting it will. In the past six months, interest in all things related to the Internet has skyrocketed. One of our friends says that Internet deals being shopped around now outnumber traditional communications infrastructure deals by 10 to 1. In our survey of first-quarter venture activity, eight Internet-oriented companies raised $32.5 million altogether...[which] included several large deals for access providers. That's nearly as high as all of last year.

We expect to see plenty more venture-backed Internet companies formed in the coming months. Although there are doubters who think that the long-term business models for making money on the Internet aren't clear yet, it'll be tough for even the most resolute skeptics to resist this incandescent market.

Aside from the hype and the hypergrowth rates, there are other forces that will boost the formation rate of new Internet companies. As one of our friends in the venture community notes, the number of entrepreneurs who are technically competent to start and run cutting-edge telecommunications equipment companies, for example, is limited. The Internet companies are drawing on a much larger and more diverse talent pool—ranging from software developers and hardware engineers to advertising, video, and even ink-stained media types. With a vast supply of people and ideas—and a torrent of venture money looking for a home—the market for these new information technology companies isn't likely to cool off just yet.

continued on page 222

Update

Last year, for the annual *MicroTimes* Venture Capital issue we talked (via email) with Don Gooding at Accel Partners and Wade Woodson at Sigma Partners about the impact of the Internet on venture capital—how they are using it, how they see the Net as an emerging business platform, and what investments they are making in Internet-related companies. We returned for an update to see what has changed over this last year.

—Michael Robin

LIQUIDATION SALE!!

We're OVERLOADED with GREAT DEALS!!

Pentium 4x PCI

- Intel Pentium
- 8 MB RAM, 70ns (upg-128MB)
- 850MB Hard Drive
- PCI enhanced IDE I/O
- PCI SVGA w/1MB RAM (Upg-2MB)
- 15" Digital Flat Screen Monitor
- Dual Speed CD ROM Drive
- 1.44, 3.5" Floppy Drive
- 16-bit Stereo Sound Card
- 19 CD Titles, 160 Watt Speakers
- 101 Keyboard, Hi-res. Mouse

Pentium 75 MHz	**$1650**
Pentium 90 MHz	$1750
Pentium 100 MHz	$1850
Pentium 125 MHz	$2350

486 DX2 PCI/VLB

- 486 DXE, PCI/VLB 256 K
- 4 MB RAM, 70ns (upg-64MB)
- 560MB Hard Drive
- VLB enhanced IDE I/O
- VLB SVGA w/1MB RAM (Upg-2MB)
- 14" SVGA, NI, .28 Color Monitor
- Dual Speed CD ROM Drive
- 1.44, 3.5" Floppy Drive
- 16-bit Stereo Sound Card
- 19 CD Titles, Mini Speakers
- 101 Keyboard, Hi-res Mouse

486DX2-66MHz	**$999**
486DX2-80MHz	$1050
486DX2-100MHz	$1125

Packard Bell. PACKARD BELL 1 Yr. On-Site Warranty Packard Bell.

Pentium 60

- Intel Pentium PCI
- 8 MB RAM, (easily upgradable)
- 540/810/850/1.2 GB Hard Drive
- PCI SVGA w/1MB RAM (Upg-2MB)
- Packard Bell SVGA Color
- Dual Speed CD ROM Drive
- 1.44, 3.5" Floppy Drive
- 16-bit Stereo Sound Card
- 14.4 FAX Modem
- Many CD Titles, Speaker System
- 101 Keyboard, Hi-res Mouse
- MS DOS/Windows & Much Software

$1099

Pentium 75

- Intel Pentium PCI
- 8 MB RAM, (easily upgradable)
- 540/810/850/1.2 GB Hard Drive
- PCI SVGA w/1MB RAM (Upg-2MB)
- Packard Bell SVGA Color
- Dual Speed CD ROM Drive
- 1.44, 3.5" Floppy Drive
- 16-bit Stereo Sound Card
- 14.4 FAX Modem
- Many CD Titles, Speaker System
- 101 Keyboard, Hi-res Mouse
- MS DOS/Windows & Much Software

Limited Quantity Available

$1499

486DX2-66

- Intel 486DX2-66 CPU Inside
- Packard Bell 486DX2-66 MHz, PCI/VLB
- 4 MB RAM, (easily upgradable)
- 420/540MB Hard Drive
- PCI VLB SVGA accelerator & IDE I/O
- Packard Bell SVGA Color
- Dual Speed CD ROM Drive
- 1.44, 3.5" Floppy Drive (1.2FDD also available)
- 16-bit Stereo Sound Card
- FAX Modem
- Many CD Titles, Speaker System
- 101 Keyboard, Hi-res Mouse
- MS DOS/Windows & Much Software

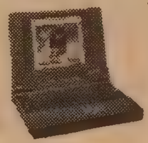
$895

Packard Bell. NOTEBOOKS

STATESMAN 200C

Guaranteed Lowest Prices!

486SLC2-50MHz processor
Dual Scan Color
200MB Hard Drive
4MB RAM, 1.44 Floppy
PCMCIA Slot for upgradability
MS DOS/Windows & Other Software



Color $1199 · Mono $850

MEMORY

1X3 30 Pins	$35
4x9 30Pins	$140
1x32 72Pins 4MB RAM	$140
2x32 72Pins 8MB RAM	$290
4x32 72Pins 16MB RAM	$499
8x32 72Pins 32MB RAM	$999

SPECIALS!!!

HARD DISKS

Micropolis 21125 1GB SCSI-2	$350
Micropolis 19365 3.6GB SCSI	$825
Seagate ST433400N, Elite III, 3.4GB Fast SCSI -2	$825
W.D. 850MB	$185
Maxtor 850MB	$185

MODEMS

Send and Receive 14.4 Mode	$38.
14.4 w/Voice	$54
PCMCIA 14.4	$99
28.8	$125

CD ROM's

Teac 4x	$165
Mitsumi 4x	$175

C.P.U.

Intel 486 DX2 66MHz	$115
AMD 486 DX2 80MHz	$155
AMD 486 DX4 100MHz	$199
PENTIUM 75MHz	$285
PENTIUM 90MHz	$380
PENTIUM100MHz	$480

MONITORS & Etc.

MicroQ 14" Ni .28	$210
MicroQ 15" Digital, Ni .28	$299
Mag 15" Digital, Ni .28	$320
101 Enhanced Keyboard	$15
3 Button Mouse MS Compatible	$7.50
6 Bit Ethernet Card 2100 Bus Master	$1950

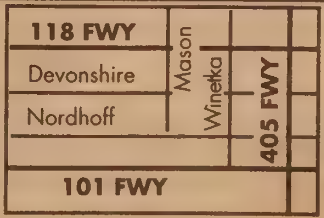
IBA

(818) 772-6699
Fax (818) 993-8203

20537 Devonshire • Chatsworth CA. 91311

GOVERNMENT & CORPORATE PO's ACCEPTED
FINANCING AVAILABLE
- All Prices are for Cash
- Not Responsible for Typographical errors
- Prices Subject to change without notice

M-F 10 am - 7 pm
Sat & Sun By Appt. Only



SIGMA COMPUTERS ®

7540 Katella Avenue, Stanton, CA 90680
Telephone: (714) 893-0609, Fax: (714) 893-0530

SERVING COMPUTER USERS SINCE 1986

BASIC STARTER SYSTEMS

INTEL PENTIUM/486 DX PROCESSOR
PENTIUM OR 486 DX BOARD, 256 KCACHE
MID TOWER CASE, 230 WATT UL P/S
8 MB RAM (EXP. TO 128 MB)
1.44 MB FLOPPY DRIVE
540 MB ENHANCED IDE HARD DRIVE
ENHANCED IDE CONTROLLER
2 x16650 UART SERIAL & 1 EPP PAR. PORT
1 MB ACCELERATOR PCI OR VLB CARD
14" SVGA .28 NI 1280 x 1024
MICROSOFT ERGO SERIAL MOUSE
MICROSOFT DOS VERSION 6.22
FUJITSU ENHANCED 101 KEYBOARD

DX2-66	**$1,195**
DX4-100	**$1,295**
Pentium75	**$1,435**
Pentium 90	**$1,555**

PENTIUM IDE BEST BUY

INTEL PENTIUM PROCESSOR
TRITON PCI BOARD, 256 KCACHE
MID TOWER CASE, 230 WATT UL P/S
8 MB RAM (EXP. TO 128 MB)
1.44 MB FLOPPY DRIVE
850 MB ENHANCED IDE HARD DRIVE
ENHANCED IDE CONTROLLER
2 x16650 UART SERIAL & 1 EPP PAR. PORT
DIAMOND STEALTH PCI 1 MB CARD
14" SVGA .28 NI 1280 x 1024
MICROSOFT ERGO SERIAL MOUSE
MICROSOFT DOS VERSION 6.22
FUJITSU ENHANCED 101 KEYBOARD

Pentium75	**$1,489**
Pentium 90	**$1,589**
Pentium 100	**$1,689**
Pentium 120	**$1,989**

PENTIUM MULTIMEDIA 4X

INTEL PENTIUM PROCESSOR
PENTIUM PCI BOARD, 256 KCACHE
MID TOWER CASE, 230 WATT UL P/S
8 MB RAM (EXP. TO 128 MB)
1.44 MB FLOPPY DRIVE
850 MB ENHANCED IDE HARD DRIVE
ENHANCED IDE CONTROLLER
2 x16650 UART SERIAL & 1 EPP PAR. PORT
DIAMOND STEALTH PCI 1 MB CARD
14" SVGA .28 NI 1280 x 1024
4X TOSHIBA CD-ROM DRIVE
16 BIT SOUND BLASTER CARD
AMPLIFIED STEREO SPEAKERS
DELUXE MICROPHONE
MS ENCARTA 95, WORKS, MONEY, GAMES
MICROSOFT ERGO SERIAL MOUSE
MICROSOFT DOS VERSION 6.22
FUJITSU ENHANCED 101 KEYBOARD

Pentium75	**$1,819**
Pentium 90	**$1,919**
Pentium 100	**$2,019**
Pentium 120	**$2,319**

REAL MOTION MPEG MEDIA 4X

INTEL PENTIUM PROCESSOR
TRITON PCI BOARD, 256 KCACHE
MID TOWER CASE, 230 WATT UL P/S
8 MB RAM (EXP. TO 128 MB)
1.44 MB FLOPPY DRIVE
850 MB ENHANCED IDE HARD DRIVE
ENHANCED IDE CONTROLLER
2 x16650 UART SERIAL & 1 EPP PAR. PORT
MPEG FULL MOTION PLAYBACK 2MB RAM
15" SVGA .28 NI 1280 x 1024
4X TOSHIBA CD-ROM DRIVE
AWE-32 IDE SOUND BLASTER W/VOICE
RECOGNITION SOFWARE & MICROPHONE
AMPLIFIED STEREO SPEAKERS
MS ENCARTA 95, WORKS, MONEY, GAMES
MICROSOFT ERGO SERIAL MOUSE
MICROSOFT DOS VERSION 6.22
FUJITSU ENHANCED 101 KEYBOARD

Pentium75	**$2,225**
Pentium 90	**$2,325**
Pentium 100	**$2,425**
Pentium 120	**$2,725**

SYSTEM UPGRADES:

8 MB to 16 MB: + $295, 540 to 850 MB: + $60, 14" to 15"SVGA: + $100, 14" to 17" SVGA: + $340

intel inside pentium

FCC Class B Certified

New! EXTERNAL PARALLEL 4X CD-ROM

- Built-in Enhanced IDE Interface
- Built-in Power Supply
- Multi-Session Photo CD compatible
- Compatible with SPP/EPP/ECP parralel port
- Calbes icluded
- Deluxe carry bag

$365

New! EXTERNAL PARALLEL HARD DRIVES

- Built-in Enhanced IDE Interface
- Built-in Power Supply
- Fast access time (700 KB/s w/EPP)
- Compatible with SPP/EPP/ECP parallel port
- Deluxe carry bag
- Cables included

540 MB: **$365** 850 MB: **$425**

MONTHLY SPECIALS

HARD DRIVES

Conner 420 MB IDE	**$155**
Conner 1.2 GB EIDE	**$269**
W.D. 850 MB EIDE	**$229**
W.D. 1.2 GB EIDE	**$329**

FLOPPY DRIVES

Teac 1.44 MB	**$33**
Teac 1.2 MB	**$43**
Teac Combo 2 in 1	**$86**
Teac 2.88 MB	**$65**

TAPE BACK-UP

Conner 420 MB	**$148**
Colorado 800 MB	**$199**
3M DC 2120 Preformatted	**$12**

SHAMROCK MONITORS

14" NI .28	**$205**
15" NI Flat .28	**$295**
17" NI Flat .28 Low Radiation, Digital	**$535**

VGA CARDS

Cirrus Logic 5428 VLB 1 MB	**$75**
Diamond Stealth SE 1 MB	**$95**
ATI Match 64 2MB VRAM	**$265**
ATI Match 64 4MB VRAM	**$465**

TRITON MONITOR

15" Flat w/speakers	**$335**

KEY BOARDS

101 Click	**$15**
Microsoft Natural	**$83**

FAX MODEM

US Robotic 14.4	**$79**
Falcon 14.4 w/voice	**$75**
HP Fax Printer	**$145**

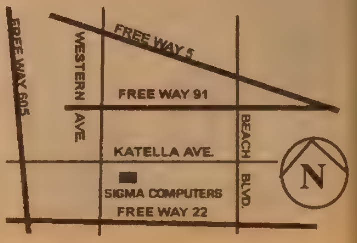
ADD-ON CARDS

ISA 4F/2H + I/O	**$35**
ISA IDE + I/O	**$15**
VLB IDE I/O	**$18**
VLB EIDE + Hi I/O	**$35**

Please call for any products which is not listed here!

CASES

Mini Tower w/PS	**$39**
Desk top w/PS	**$52**
Mid Tower w/PS	**$55**
Mid /Desktop Reversable w/PS	**$65**
Full Tower door w/PS	**$115**
Black Mini Tower w/PS	**$45**
Black Mid Tower door w/PS	**$85**
230 Watt PS2/PS	**$35**



On-site Service available
Call for an appointment to minimize downtime!
Tel: (714) 893-0609

Upgrades or Repairs
Same day
carry in service

Office hours
Mon-Fri 9AM-6PM
Sat 11AM-5PM

Sigma Computers is not responsible for typos errors. Prices are subject to change without notice.

4X IDE CD-ROM KIT

Toshiba 4X IDE CD-ROM
Sound Blaster 16 IDE
20 Watt Stereo Speakers
Microphone
10 CD Titles:
- Russa Baseball II
- Puzzle Master & Crossword
- Casino Master
- World Atlas 4
- Card Shop Plus
- Great Naval Battles
- Earth Invision
- Magnaflux Runner
- The Chessmaster 3000
- 20 th Century Video Almanac: Sports

$295

TEAC 4X / ASP KIT

Teac 4X IDE CD-ROM
Sound Blaster 16 ASP
20 Watt Stereo Speakers
Microphone
CD Titles:
- MS Encarta '95
- MS Golf
- MS Dangerous Creatures
- MS Samples

$325

SANYO 4X SCSI 2 KIT

Sanyo 4X SCSI2 CD-ROM
Sound Blaster SCSI 2
20 Watt Stereo Speakers
Microphone
CD Titles:
- MS Encarta '95
- MS Golf
- MS Dangerous Creatures
- MS Samples

$375

CD-ROM

Acer 2X IDE	$89
Panasonic 2X	$95
Teac 4X IDE	$179
Teac 4X & 1.44	$215
Toshiba 4X IDE	$185
Toshiba 4.4X SCSI 2	$325
Sanyo 4X SCSI 2	$225

SOUND/SPEAKERS

SOUND BLASTER

Sound Blaster Vibra MCD	$75
Sound Blaster 16 IDE	$75
Sound Blaster 16 Basic w/ASP	$95

SPEAKERS

Labtec CS-150 Amplified	$19.5
Labtec CS-800 w/AC/DC	$39.5
MLI-691 w/AC/DC	$27.5
MLI-95 HiFi w/Bass/Treble/Volume controls	$55
AT-95 w/Bass/Treble/Volume controls	$45

MULTIMEDIA SUMMER SALE ! !

MONTHLY SPECIALS

Aces of the Deep	$21
Battle Bugs	$22
Battledrome	$24
King Quest VII	$25
Renegade	$18
Incredible toon machine	$22
Busiest neighbor hood ever	$17
How your Body works	$18

GAME

Aces of the Pacific	$19.0
Aegis	$19.0
Arctic Baron	$19.0
Alien Logic	$18.0
Alone in the Dark	$19.0
Base ball's	$16.0
Battles chess	$15.0
Battledrom	$20.0
Beneath the steel sky	$26.0
Betrayal of Krondor	$19.0
Bioforge	$36.0
Blown away	$20.0
Blue Force	$15.0
Bureau 13	$19.0
Castles II	$24.0
CD Deluxe 3	$18.0
CD Deluxe 4	$16.0
CD Deluxe 5	$20.0
Central Intelligence	$18.0
Chess wars	$16.0
Comanche	$26.0
Commander Blood	$20.0
Cowboy Casino	$22.0
Creature shock	$35.0
Critical Path	$18.0
Cyber War	$32.0
Cyberace	$16.0
Cyberia	$24.0
Cyclones	$18.0
Dark Forces	$46.0
Dark Legions	$18.0
Darkseed	$16.0
Dark Sun I	$18.0
Dark Sun II	$18.0
Descent	$29.0
Dog Flight	$19.0
Dracula Unleashed	$17.0
Dragon Lore	$19.0
Dragon's Lair	$19.0
Dune	$14.0
Ecstatica	$19.0
Falcon Gold	$48.0
Fleet Defender F14	$19.0
Flight unlimited	$38.0
Full Throttle	$38.0
F15	$15.0
Games in English	$14.0
Games in French	$14.0
Games in Greman	$14.0
Games in Spanish	$14.0
Great Naval Battles	$19.0
Great Naval Battles III`	$22.0
Gunship 2000	$15.0
Guy Spy	$22.0
Harpoon	$22.0
Hell	$19.0
Hell Cab	$22.0
Heimdall 2	$19.0
How to play Graps	$22.0
INCA 2	$19.0
Indy Car	$22.0
Interplay's 10 year Anthology	$19.0
Iron Assault	$35.0
Iron Helix	$16.0
King Quest V	$12.0
King Quest VI	$18.0
Journeyman Project	$22.0
Jufland	$18.0
Lands of Lore	$22.0
Lawnmower man	$16.0
Legend of Kry II (Hand of Fate)	$22.0
Leisure Suit Larry 6	$19.0
Lode Runner	$20.0
Lunicus	$18.0
Mad Dog I	$16.0
Mad Dog II	$19.0
Megadoom Adventures	$12.0
Megapak	$35.0
Megarace	$15.0
Menzoberranzan	$20.0
Microcosm	$16.0
Mortal Kombat II	$45.0
MS Art Gallery	$39.0
MS Baseball	$29.0
MS Cinemania '95	$36.0
MS CompleteBasketball	$39.0
MS Golf	$16.0
MS Publisher	$49.0
Myst	$29.0
NBA live '95	$36.0
Nascar	$24.0
Novastorm	$17.0
Outpost	$19.0
Pagan-Ultima VIII	$24.0
Panzer General	$18.0
PGA Tour Golf 486	$36.0
Police Quest VI	$19.0
Pop Casino	$17.0
Private Gold Box	$22.0
Privateer	$17.0
Protostar	$17.0
Quantum Gate	$14.0
Quarantine	$25.0
Ravenloft	$18.0
Rebel Assault	$22.0
Renegade	$18.0
Ring World	$15.0
Rise of the Robots	$22.0
Rise of the Triad	$29.0
Sea Wolf	$16.0
Shadows of Darkness	$29.0
Shuttle	$22.0
Silent Service Box	$22.0
Sim City Enhanced	$12.0
Sim City 2000	$19.0
Soccer Manager	$16.0
Soft Kill	$16.0
Space Ace	$22.0
Sport Almanac 1994	$14.0
Star Crusader	$17.0
Star Trail	$24.0
Star Trek	$17.0
Star War Chess	$12.0
Starlord	$22.0
Street Fighter Series	$35.0
Street Fighter II Turbo	$35.0
Strike Commander	$17.0
Sub Wars	$22.0
Super Arcade games	$17.0
Supersonic	$16.0
System Shock	$39.0
Tank Commander	$36.0
Terminal Velocity	$26.0
Terminator 2029	$16.0
TFX	$24.0
The Daedalus encounter	$39.0
The Journeyman Project Turbo	$18.0
The Orion	$36.0
The Zork Anthology (The 5 original text Adventures)	$22.0
Theme Park	$19.0
Tornado	$24.0
Tornado + Falcon 3.0	$29.0
Trump Castle	$14.0
U.F.O.	$22.0
US Navy fighter	$39.0
Ultimate Domain	$16.0
Ultra bots	$19.0
Under a Killing Moon	$39.0
Universe (Your Passport to Paralela)	$19.0
USS Ticonderoca	$18.0
Virtual Reality	$39.0
Virtual Vegas	$19.0
X-Com (vol.2)	$36.0
War Craft	$29.0
Whale's Voyage	$18.0
Who killed BretPenance	$14.0
Who killed TaylorFrench	$14.0
Who shot Johnny Rock?	$17.0
Windoware	$12.0
Wing Commander & Jetima VI	$14.0
Wing Commander II	$17.0
Wing Commander III	$39.0
Wolf	$14.0
World Circuit	$15.0
World of Flight Simulator	$29.0
X Com (Terror from the deep)	$37.0
X Wing	$45.0
7 Guest	$17.0
101 Game Vol.1	$10.0
101 Game Vol.2	$10.0
171 Stories of Murder, Mystery, Magic	$14.0

EDUCATION

Adam inside story	$34.0
Abacus island	$12.0
ABC	$15.0
Aesop's Fable	$10.0
Always Arthur	$12.0
Animal Alphabet	$16.0
Animal Magic	$14.0
Arthur's Birthday	$31.0
Arthur's Teacher Trouble	$14.0
Audubon's Birds	$10.0
Audubon's Mamals	$10.0
Barron's Dictionary	$16.0
Butterflies of the World	$14.0
Car Care	$24.0
Cetus	$16.0
Ciderella	$10.0
Compton '95	$19.0
Cute 'n' Cuddles	$15.0
Cybertown	$12.0
Day of Tentacle	$18.0
Dinosaurs	$10.0
Early learning collection	$12.0
Edutainment	$16.0
Encyclopedia of Nature	$45.0
Encyclopedia of Science	$45.0
Family Learning	$14.0
Fun House	$15.0
Get in a flight	$34.0
Guide Books to Math.	$16.0
Grolier '95	$19.0
Harry & the Haunted house	$31.0
Humans 1 and 2	$17.0
Incredible Machine 2	$24.0
Indiana Jones	$18.0
Kid pix	$36.0
Kid Zoo+American Adventure+Under Sea	$18.0
King's Quest collect.	$22.0
Kyrandia	$14.0
Jone in the Fast Lane	$14.0
Jurassic Dinosaur	$15.0
Just Grandma and Me	$14.0
Learn French the Fun way	$18.0
Learn Spanish the Fun way	$18.0
Learn to Read	$10.0
Learn to Speak English	$29.0
Learning at Home	$12.0
Learning Collection	$12.0
Learning Fly fishing	$15.0
Learning Heaven	$14.0
Letters and Numbers	$18.0
Linux Tool Box	$29.0
Little Monster at school	$32.0
Magic Carpet	$29.0
Mario is Missing	$14.0
Mario Time Machine Deluxe	$16.0
Mario's early years	$16.0
Math Ace	$15.0
Mathematic Library	$12.0
Mavis Beacon Teaches typing ver. 3.0	$15.0
Mavis Beacon Teaches Typing for Kids	$14.0
Monty python's	$29.0
Mother Goose	$12.0
MS Ancient Lands	$27.0
MS Bookshelf '95	$Call
MS Cinemania '95	$36.0
MS Dangerous creatures	$25.0
MS Dinosaurs	$25.0
MS Encarta '94	$23.0
MS Encarta '95	$Call
MS Explorapedia	$34.0
National Park	$14.0
Ocean Below	$14.0
Once upon a forest	$19.0
Ozzie's world	$18.0
Parenting	$14.0
Peter and the Wolf	$12.0
Play'n learn for Kids	$12.0
Power Ranger	$12.0
Prehistoria	$16.0
PuttPutt goes to the Moon	$20.0
PuttPutt join the Paradise	$14.0
Real world Math	$15.0
Reference Library '95	$18.0
Roger Wilco	$12.0
Ruff's Bone	$31.0
Safety Monkey	$16.0
Sam & Mac hit the road	$19.0
Scary Poems	$10.0
School Day	$16.0
Shark Alert	$16.0
Sing Along for Children	$14.0
Sitting on the Farm	$13.0
Space adventures	$12.0
Spiders	$10.0
Story Land	$18.0
Story time Vol. 1	$10.0
Story time Vol. 2	$12.0
Story time Vol. 3	$12.0
Super family learning Pak	$12.0
Talking Dictionary	$17.0
The Animals	$12.0
The Cat came back	$13.0
The Magic School Bus	$34.0
TheNewKid on theBlock	$29.0
TheTop Class learning collect.	$12.0
The Tortoise & the Hare	$31.0
The tale of Benjamin Bunny	$10.0
The Tall of Peter Rabbit	$10.0
The Ugly Ducking	$14.0
The Ultimate Human Body	$45.0
The Way things work	$45.0
Thinking Games	$12.0
Tune Land	$18.0
Welcome to Body Land	$17.0
Whales	$10.0
Who wants Arthur?	$15.0
World CarmenSanDiego	$15.0
Windows 3.1	$18.0

HEALTH CARE

Body works 4.0	$19.0
Family Doctor	$15.0
Family Pharmacist	$19.0
Health & Medical Industry	$14.0
Health tracker	$19.0
Home Medical Advisor	$12.0
Mayo Clinic	$15.0
Medical Dictionary	$19.0
Prescription Drug	$19.0
The Doctor book of Home Remedy	$14.0
The Total Heart	$19.0
3D Body Adventure	$34.0

REFERENCE

AAA trip planner	$17.0
Ada	$17.0
American Alive	$Call
American in Motion	$16.0
Arts andEntertainement	$12.0
Asian Alive	$Call
Banners	$14.0
Bus. Library	$13.0
Business Master	$12.0
Bus. Phone Directory	$15.0
Car Care	$24.0
CICA Shareware	$12.0
City 2000	$16.0
ClipArt Heaven	$14.0
Clip Art Heaven 2	$25.0
ClipArt Library	$10.0
ClipArt Warehouse	$12.0
Complete Ref. Lib. '95	$18.0
Corel Gallery	$35.0
Corel Sampler	$12.0
Crime Patrol	$37.0
Desktop Imager	$16.0
Desktop Publishing	$12.0
Desert Storm	$14.0
Doom Expert	$12.0
Doom Shareware	$12.0
Dr. ClipArts	$10.0
Dr. Fonts	$12.0
Electronic Classical Lib.	$19.0
Entertainment	$15.0
Europe Alive	$Call
Family Choice	$14.0
Font Heaven	$14.0
Fonts/ClipArt	$16.0
Great Cities Vol. 1	$14.0
Great Cities Vol. 2	$14.0
Great Literature	$17.0
Great Literature Plus	$14.0
High tectures	$12.0
Hobbes OS/2 March '95	$14.0
Home Bus Platinum	$12.0
Home/Office	$14.0
Home organizer	$18.0
House Gardener	$18.0
How the World works	$17.0
How your Body works	$18.0
InfoPedia	$18.0
Internet Access	$22.0
Internet Tool Kits	$10.0
Japanese	$29.0
Jet & Props	$16.0
Key Translator	$29.0
Labels	$15.0
Languages of the World	$17.0
Legal Guide	$10.0
Leonardo	$18.0
Library of the Future	$19.0
Linux	$22.0
Linux Tool Box	$35.0
London Multimedia Tour	$15.0
Megadoom	$12.0
MPC wizard	$12.0
Monarch Notes	$14.0
Night Owl 13	$15.0
Night Owl 14	$18.0
Night Owl 15	$22.0
OS/2	$14.0
Paper planes	$17.0
PGA Tour Golf 486	$36.0
Photo Library	$12.0
Print shop Deluxe	$49.0
Publish It	$14.0
Publisher Tool Box	$16.0
QRZ 1995	$13.0
Quicken deluxe	$33.0
Science and Innovation	$12.0
Science in Motion	$16.0
Sherlock Holmes	$13.0
Shoot Video like a Pro	$16.0
So much Shareware	$14.0
Space Age	$21.0
Space Shuttle	$14.0
Speaker's Reference	$14.0
Street Atlas USA	$65.0
Strike Commander	$17.0
Taiwan's World	$14.0
Tempra Access	$12.0
The Best of CICA	$10.0
The Grammy Awards	$17.0
The Haldeman Diaries	$17.0
The President	$15.0
Think and Talk French	$85.0
Travel Map	$16.0
True Type Fonts	$10.0
USA Today	$10.0
US Amphibious Assault	$12.0
US Atlas	$15.0
US History	$15.0
US Military Helicopters	$12.0
US President	$15.0
US Submarines	$12.0
Video special effect	$16.0
Weekend Home project	$19.0
Wild places	$12.0
Wolfenstein	$12.0
World Fact Book	$14.0
World of Internet	$18.0
World of Color Clipart	$16.0
World Traveller	$12.0
World War II	$27.0
11 Million Business1995	$19.0
70 Million House hold	$18.0

BIBLE

Bible Library	$17.0
Bible & Religions	$12.0
Holy Bible	$16.0
Multimedia Family Bible	$16.0
Straight from the Heaven	$14.0
The New Family Bible	$22.0

MUSIC

A Hard Day's Night	$16.0
Beethoven's	$18.0
Classical Music	$15.0
Composer Quest	$13.0
Dr Music	$10.0
Dr Music Lab	$10.0
Encyclopedia of Sound	$18.0
Grooves	$18.0
Jazz	$18.0
Midi Master Collection	$12.0
MS ComposerCollection	$45.0
MS MultimediaSchubert	$34.0
MS Musical Instrument	$24.0
Multimedia Music Book	$14.0
Music Clips	$17.0
Musical Instrument	$15.0
Sound Explorer	$14.0
Sound Library 2	$10.0
Thunder Media Sound Lib.	$12.0
World of Sound	$21.0
1000 of the World's greatest sound effects	$17.0

COOK

Better Home & Garden	$14.0
Cookbook Heaven 2	$14.0
Easy Cooking	$15.0
Electronic Cook Book	$14.0
Healthy cooking	$10.0
JohnSchumacher's CookBook	$14.0

LANGUAGE

French, Spanish, Germain	$15.0
Key Translator	$34.0
Learn to Speak Spanish	$42.0
Quick and Easy Spanish	$18.0
Tripple play Spanish	$19.0
Tripple play English	$19.0

CHILDREN

Magic Carpet	$39.0
Magic School Bus	$33.0
MS Video for Windows	$38.0
MS Visual C++ Ver. 1.5	$49.0
Real World Math	$15.0
The Cool School	$29.0
Wanderoos go exploring	$12.0
Wanderoos go to town	$12.0
Webster's Encyclopedia	$22.0

MAC

A long Hard day on the Ranch	$10.0
A Million Laughts	$17.0
Aesop's Fables	$10.0
Always Arthur	$15.0
Animal	$12.0
Arthur teacher trouble	$14.0
Audubon's Birds	$10.0
Audubon's Mamal	$10.0
Better Home and Garden	$10.0
Buster's first thunderstorm	$15.0
Color It	$10.0
Concise Ency. '95	$16.0
Critical Path	$18.0
Desert Storm	$14.0
Dracula	$22.0
Forever grown garden	$19.0
Great Literature	$17.0
Grolier 7.0	$18.0
Guinness Record 1994	$12.0
Heather hits her first home run	$10.0
High techtures	$12.0
How the World works	$17.0
How to really start your own Business	$16.0
Jet and Props	$16.0
Just Grandma and Me	$14.0
Learn to speakSpanish	$42.0
Leonardo	$18.0
MAC CD Game Pack	$14.0
Math Ace	$15.0
Mayo Clinic	$14.0
MS Cinemania '95	$35.0
Multimedia Ency. Ver4.0	$14.0
Ocean Below	$14.0
Ozzie's World	$18.0
Palmistry	$16.0
Police Quest	$ 19.0
Power Rangers	$14.0
Publisher's background	$16.0
Putt putt goes to theMoon	$20.0
Putt putt joins the parade	$16.0
Scary Poems for Rotten Kids	$10.0
Shoot Video like a Pro	$16.0
Soft Kill	$16.0
Space shuttle	$12.0
Spanish, French,German	$15.0
Sport Illustrated	$14.0
Talking dictionary	$19.0
The doctor book of Home Remedies	$12.0
The New Family Bible	$22.0
The OrientTravel Encycl.	$13.0
The Paper bag Princess	$10.0
The Tale of Benjamin Bunny	$10.0
TheTale of Peter rabbit	$10.0
The Ugly ducking	$14.0
The Journeyman project	$18.0
The Zork Anthology	$29.0
Virtual Vegas	$19.0
Wanderoos go exploring	$12.0
Wanderoos go to town	$12.0
Where in the World is Carmen Sandiego	$15.0
Who Wants Arthur	$15.0
Wild places	$19.0
Wines of the World	$10.0
World Atlas Version 3	$12.0
World Fact Book	$14.0
7 Guess	$19.0

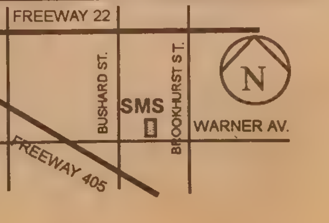
We carry wide selection of
ADULTS CD.
Hundred of titles to choose

SIGMA COMPUTERS

7540 KATELLA AVE.,
STANTON, CA 90680
TEL: 714/893-0609
FAX: 714/8930530

SMS

9895 WARNER AVE., SUITE E
FOUNTAIN VALLEY, CA 92708
TEL: 714/965-5649, 714/965-5650,
FAX: 714/965-5651



"Most Bang For The Buck" Maximus' - Magna Media

PC MAGAZINE
Honorable Mention
May 30, 1995

PC Computing
4-Star Quality Award!

COMPUTER SHOPPER
TOP 10
Magna NT
August '93

intel inside
pentium PROCESSOR

Pentium/75 $2025

Magna Media

The Ultimate 15" MultiMedia Workstation - 16MB RAM , 850 H.D., QUAD SPEED CD

- 16MB RAM & 256K Level-2 Write Back Cache
- 850 MB *Enhanced Mode-4* IDE Hard Drive
- PCI *Enhanced Mode-4* IDE Hard Drive Controller
- ATI mach 64, 2MB, PCI Graphics Accelerator
- 15" Flatscreen, .28mm, Low Radiation Color Monitor
- 4X Quad Speed CD-ROM Drive
- 16-bit Stereo Sound Card
- *14.4KB Fax Modem* with America On-Line, CompuServe & More
- Choice of Exciting CD Bundles & Dual Stereo Speakers
- Professional Enhanced 101-key Keyboard
- High Resolution Serial Mouse
- 2 Serial & 1 Parallel Ports
- 1.44 MB, 3.5", Floppy Disk Drive
- Professional 7-Bay Tower Case with Dual Cooling System

486DX4/100 . . . . . $1845
Pentium™ /90 . . . . $2145
Pentium™ /100 . . . $2275

"Get the Most Value for Your Money, Get Maximus!"

PC MAGAZINE
Honorable Mention

At Maximus we try our hardest to give you the best value in the industry by combining you with lots of memory (16 megabytes of RAM) and of course 256K Level-2 right back cache for optimal performance.

For storage, we've installed an 850 MB enhanced IDE hard drive, coupled with a PCI enhanced IDE controller for added speed.

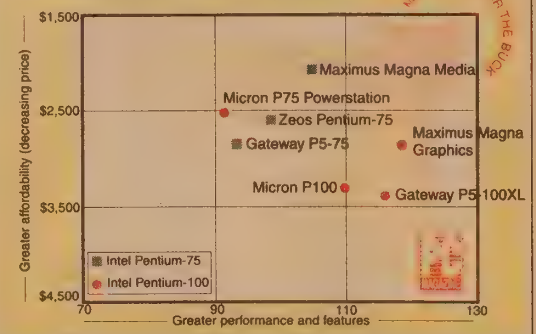
We also choose the ATI Mach 64 graphics accelerator card with 2MB on-board enhanced by a PCI graphics engine which will display high-end graphics on our super flat .28mm low radiation color monitor.

For the richest multimedia sound we have combined great componentary such as a Quad speed CD ROM drive, a 16 bit digital sound card with an assortment of 200 entertaining titles on CD and dual amplified stereo speakers for amazing sound.

The Magna Media will always stay cool with dual cooling fans in it's professional 7-bay mid tower case. All with the quality you've come to expect with Maximus computers. That's why PC Magazine said, in the May 30, 1995 issue, Maximus'" Magna Media is the Most Bang for the Buck."

MOST BANG FOR THE BUCK CHART

PC MAGAZINE MAY 30,1995



The closer to the upper right corner. From the pages of PC Magazine May 30, 1995

Personal Touch Service

Feel free to ask one of our highly-trained sales technicians to help you design a system that will suit your own specific needs. Tell them what applications you generally use, the operating environment, network requirements and they will help you design your own customer configurations. There's no extra charge-it's ask part of our Maximixed Personal Service!

Magna Graphics Media

The 17" Desktop & Multimedia Workhorse - 1.2GB H.D., 4X CD, AWE32 SOUND CARD

- New Intel Triton Chipset with 256KB L2 Cache
- 16 MB RAM, Expandable to 128MB
- 1.2 GB *Enhanced Mode-4* IDE Hard Drive
- PCI *Enhanced Mode-4* IDE Hard Drive Ctrl
- Diamond Stealth 64, *2MB VRAM*, PCI Graphics Engine with New MPEG feature for Full Motion Video
- 17" Digital Flatscreen, Low Radiation, Color Monitor
- 4X Quadra Speed CD ROM Drive
- SoundBlaster AWE32 SoundCard with Advanced Wave Effects Synthesis
- Dual High Fidelity Amplified Speakers
- Choice of Fantastic CD Bundles
- High Resolution Serial Mouse
- Professional Enhanced 101-key Keyboard
- 1.44 MB, 3.5", Floppy Disk Drive
- 2 Serial & 1 Parallel Ports
- 7-Bay Tower Case with Dual Cooling System

Pentium™ /75 . . . . $2645
Pentium™ /90 . . . . $2775
Pentium™ /100 . . . $2895
Pentium™ /120 . . . $3195

Maximus' - New MediaNote CD Book Ready too, Take For a Spin.

MediaNote CD Book

486DX4/75 $2275

- Built-in Double Speed CD-ROM Drive
- Up to 6 Hours Battery Life with Optional External Battery
- 8 MB RAM & 340 MB Hard Disk Drive
- 32-bit VL-Bus 1MB Graphics Accelerator
- 10.4" Dual Scan & 9.4" Active Matrix Color
- 16-bit Sound Card, Microphone & Dual Stereo Speakers
- 85-key Ergonomic Keyboard
- Built-in Ergonomic Designed Pointing Device
- External 1.44 MB Micro Floppy Disk Drive
- Two Type II or One Type III PCMCIA Slot
- Enhanced Serial & Parallel Ports
- Intelligent Power Management with System Management Mode Functions for max Battery Life
- One Year Parts & Labor Warranty
- Optional G. E. 4 Year On-Site Warranty

486DX4/75	**$2275**
486DX4/100	**$2345**

PowerMax Color Book

Pentium/75 $2295

- Extra Large 10.4" Dual Scan & 9.4" Active Color
- Up to 5 Hours Battery Life with Optional Battery
- 8MB RAM & 540 MB Hard Disk Drive
- 32-bit VL-Bus 1 MB Graphics Accelerator
- 16-bit Stereo Sound Card, Microphone & Speakers
- Simultaneous CRT & LCD Operation
- 86-key Keyboard with Numeric Keypad
- Built-in Micro Joystick Pointing Device
- External 1.44 MB Micro Floppy Disk Drive
- Two Type II or One Type III PCMCIA Slot
- 1 Serial & 1 Parallel Ports
- 6.5 Lbs Travel Weight with Battery
- Carrying Case & AC Adapter
- One Year Parts & Labor Warranty
- Optional G. E. 4 Year On-Site Warranty

intel inside
pentium PROCESSOR

Pentium/75	**$2295**
Pentium/90	**$2425**
Pentium/100	**$2545**

Options & Upgrades:

16MB RAM	$399
810MB Hard Drive	Call
Active Matrix Color	$850
5-hour Extended Battery	$149
Active Matrix Color	$850
Extra Standard Battery	$129
14.4KB PCMCIA Fax Modem	$135
28.8KB PCMCIA Fax Modem	$285

"Maximus has a lot of good Components for a relatively low price." COMPUTER SHOPPER June 1995

MultiMedia Cinema '95

The Ultimate 15" MultiMedia Workstation
8MB RAM , 850 H.D., 4X-CD

- 8MB RAM & 256K Write Back Cache
- 850 MB *Enhanced Mode-4* IDE Hard Drive
- PCI *Enhanced Mode-4* IDE Hard Drive Controller
- Diamond Stealth 64, 2MB, PCI Graphics Engine with *New* MPEG feature for Full Motion Video
- 15" Flatscreen, .28mm, Low Radiation Color Monitor
- 4X Quad Speed CD-ROM Drive
- 16-bit Stereo Sound Card
- Choice of Fantastic CD Bundles
- *14.4KB Fax Modem* with America On-Line, CompuServe Software & More
- Dual Amplified Stereo Speakers
- Professional Enhanced 101-key Keyboard
- High Resolution Serial Mouse
- 2 Serial &1 Parallel Ports
- 1.44 MB, 3.5", Floppy Disk Drive
- Professional 7-Bay Tower Case

486DX4/100	**$1625**
Pentium™ /75	**$1795**
Pentium™ /90	**$1925**
Pentium™ /100	**$2045**

Wide SCSI Station

The Ultimate Wide SCSI Station
- Gigabyte Hard Drive, SCSI CD Drive

- *New* Intel Triton Chipset with 256KB L2 Cache
- 16MB Fast RAM, Expandable to 128MB
- 256KB Level-2 Write Back Cache
- PCI Fast Wide SCSI-3 HDD Controller
- 1060 MB Wide SCSI Hard Drive
- Diamond Stealth 64, 1MB Expandable to 2MB, PCI Graphics Engine (Best Performer in DOS & Windows)
- 4X Quadra Speed SCSI-2 CDROM,600KB/Sec
- 15" Flatscreen, .28mm, Low Radiation Color Monitor (30% Larger Edge to Edge)
- 1.44 MB, 3.5", Floppy Disk Drive
- 7-Bay Tower Case & Dual Cooling System
- Professional Enhanced 101-key Keyboard
- 2 Serial & 1 Parallel Ports
- High Resolution Serial Mouse

Pentium™ /75	**$2475**
Pentium™ /90	**$2595**
Pentium™ /100	**$2725**
Pentium™ /120	**$3025**

Home Office Pro '95

The Powerful 15" SOHO Workstation
- 16MB RAM , 850 H.D.,

- 16MB RAM & 256K Level-2 Write Back Cache
- 850 MB *Enhanced Mode-4* IDE Hard Drive
- PCI *Enhanced Mode-4* IDE Hard Drive Controller
- Diamond Stealth 64, 1MB Expandable to 2MB, PCI Graphics Engine (Best Performer in DOS & Windows)
- 15" Flatscreen, .28mm, Low Radiation Color Monitor (30% Larger Edge to Edge)
- *14.4 Fax Modem* with Voice Mail Message Feature Plus America On-Line, CompuServe Software & more
- Professional Enhanced 101-key Keyboard
- High Resolution Serial Mouse
- 2 Serial & 1 Parallel Ports
- 1.44 MB, 3.5", Floppy Disk Drive
- One Year Parts & Lifetime Labor Warranty
- 7-Bay Tower Case & Dual Cooling System

486DX4/100	**$1575**
Pentium™ /75	**$1725**
Pentium™ /90	**$1845**
Pentium™ /100	**$1975**

818.305.5925
MONROVIA
710 E. CYPRESS AVE. UNIT A
MONROVIA, CA 91016
FAX: 818.357.9140

MAXIMUS
"Performance to the Max"
HOURS: MON-FRI 9-6 SAT 10-5

818.549.1188
GLENDALE
224 W. COLORADO BL.
GLENDALE, CA 91204
FAX: 818.549.1077

All Maximus Quality Systems come with Max Advantage

VISA DISCOVER

4 Year G.E.
On-Site
Service
Warranty
optional

1 YEAR WARRANTY PARTS & LABOR

EXPRESS PARTS REPLACEMENT

Maximus Computers Inc.INT'L: 818.305.5925 • FAX: 818.357.9140 • 710 E. CYPRESS AVE, UNIT-A • MONROVIA, CA 91016 • HOURS: MON-FRI 9-6 SAT 9-5 P. S. T. ©1995 Maximus Computers, Inc. All rights reserved. Prices subject to change without notice. Intel, Intel Inside and Pentium Processor are registered trademarks of Intel Corporation. All other logos and trademarks are the property of their respective companies. All returns must be with R.M.A. number and in the original condition. Returns are subject to restocking charge. Prices above reflect 3% cash discount. All photographs are for illustration purposes only and may not be a true representation of actual products. Not responsible for errors in typesetting.

In This Section:

- Multimedia 101
  Multimedia Magazines
  Now You See Them, Now You Hear Them 180
- Amiga
  DeluxePaint V: The Standard Continues
  Electronic Arts Returns With New Version 193
- PC Mac Does Windows Too
  The Dual Platform Mac 198

MULTIMEDIA 101

Multimedia Magazines

Now You See Them, Now You Hear Them

"Writing about music is like dancing about architecture" is an often-quoted comment on the apparent futility of music criticism. It's usually attributed to Elvis Costello, but Ross Teasley of Hyperhead New Media tells me that Thelonius Monk is actually the originator of the aphorism. Whoever coined the sentiment, it's a barb in the side of many music critics that allows musicians some salve when faced with uncomplimentary opinions of their work.

When you think about it, dancing can actually be an appropriate way of expressing aesthetic reactions to certain styles of architecture. Likewise, writing about music has some functions, not only for aesthetic purposes, but also as a consumer guide to the great and confusing marketplace of musical product. However, the fact remains that words alone are better at capturing the writer's reactions than the music itself—and, if you do much reading about music allied with listening to what's reviewed, you'll eventually recognize certain writers as trustworthy (or at least in general accordance with your perceptions) while learning to dismiss the opinions of others as completely unreliable. That learning process can be expensive unless you're able to take back to the store what you've tried but don't like (thankfully that option is becoming more and more commonplace) or unless you restrict your tastes to the limited range of music you can hear on the radio or MTV, in your friends' homes, or at record store listening stations.

From the point of view of writers, it eventually becomes a frustrating challenge to find new, accurate, and colorful ways to describe "throbbing beats" and "ethereal harmonies."

Sounds like a case for multimedia, doesn't it? Attaching objective evidence of the music's qualities to text is such a simple use of the technology that it's a complete no-brainer—but there's more to it than meets the ear or the eye.

Services like MusicNet *[MicroTimes #136]* and the in-store iStation help thresh the wheat from the chaff by allowing listeners to hear excerpts from songs, but they don't offer any real critical analysis or consumer guidance. Multimedia magazines with an editorial stance and focus can combine traditional text with sound and video clips to also provide that objective evidence. In the past, these magazines have been printed on paper with an accompanying CD, flexi, or cassette. Over the years, this approach and variations on it have been tried again and again, mostly with only fleeting success or as special promotional campaigns. Currently, there's a new crop of multimedia magazines based on digital technology and appearing either online or as CD-ROMs.

Principals of five such new-media ventures were brave enough to appear on a panel, moderated by myself, and to discuss some of the issues they face at the Music & Multimedia '95

BY JONATHAN E

1.2 Gig Hard Drive Special $258

Limit 1 per customer

Service, Networking, and Wholesale

486DX2-66 $828

- ✧ 486DX2-66 w/Cooling fan
- ✧ Pentium Overdrive Upgradable (P24T)
- ✧ 256K External Write-Back Cache
- ✧ 4 MB 72 Pin RAM, expandable to 64MB
- ✧ 560 MB IDE Hard Disk
  (Add $70 for 850MB)
- ✧ 3.5" 1.44 MB Floppy Drive
- ✧ 14" 1024x768 SVGA NI Monitor (0.28dp)
- ✧ 32-bit SVGA Graphics Accelerator/1MB
- ✧ 32-bit VLB IDE I/O HD/FD Controller
- ✧ Mini Tower Case/230W UL PS
- ✧ Enhanced 101 Keyboard & Mouse

486 DX2-80 **$858**

486 DX4-100 **$878**

System	66 MHZ	80 MHZ	100 MHZ
Basic	$828	$858	$878
2X Basic	$1018	$1048	$1068
2X Advance	$1048	$1078	$1098
Toshiba 4X	$1108	$1138	$1158
Pioneer 4X	$1128	$1158	$1178

486ADVANCE $1138

- ✧ 486DX2-66 /80/100 w/Cooling fan
- ✧ Pentium Overdrive Upgradable (P24T)
- ✧ 256K External Write-Back Cache
- ✧ 8 MB 72 Pin RAM, expandable to 64MB
- ✧ 540 MB IDE Hard Disk
  (Add $70 for 850MB)
- ✧ 3.5" 1.44 MB Floppy Drive
- ✧ 15" 1024x768 SVGA NI Monitor (0.28dp)
- ✧ 32-bit SVGA Graphics Accelerator/1MB
- ✧ 32-bit VLB IDE I/O HD/FD Controller
- ✧ Mid Tower Case/230W UL PS
- ✧ Enhanced 101 Keyboard & Mouse

Assembled in USA

System	66 MHZ	80 MHZ	100 MHZ
Basic	$1138	$1158	$1178
2X Basic	$1328	$1348	$1368
2X Advance	$1358	$1378	$1398
4X Toshiba	$1418	$1438	$1458
4X Pioneer	$1438	$1458	$1478

BASIC P-5 $1128

- ✧ Intel Pentium 75Mhz w/Cooling fan
- ✧ Pentium Overdrive Upgradable (P24T)
- ✧ 256K External Write-Back Cache
- ✧ 4 MB 72 Pin RAM, expandable to 64MB
- ✧ 540 MB IDE Hard Disk
  (Add $70 for 850MB)
- ✧ 3.5" 1.44 MB Floppy Drive
- ✧ 14" 1024x768 SVGA NI Monitor (0.28dp)
- ✧ 32-bit SVGA Graphics Accelerator/1MB
- ✧ 32-bit PCI IDE I/O HD/FD Controller
- ✧ MiniTower Case/230W UL PS
- ✧ Enhanced 101 Keyboard & Mouse

Assembled in USA

System	75 MHZ	90 MHZ	100 MHZ
Basic	$1128	$1228	$1328
2X Basic	$1318	$1418	$1518
2X Advance	$1348	$1448	$1548
4X Toshiba	$1408	$1508	$1608
4X Pioneer	$1428	$1528	$1628

ADVANCE POWER

Made in USA

A1

TRITON Intel

- ✧ Intel Pentium 75/90/100
- ✧ Advance Pentium Motherboard
- ✧ 256K External Write-Back Cache
- ✧ 8 MB 72 Pin RAM, expandable to 64MB
- ✧ 540 MB IDE Hard Disk
  (Add $70 for 850MB)
- ✧ 3.5" 1.44 MB Floppy Drive
- ✧ 15" 1024x768 SVGA NI Monitor (0.28dp)
- ✧ 64-bit SVGA Graphics Accelerator/1MB
- ✧ 32-bit PCI IDE I/O HD/FD Controller
- ✧ Mini Tower Case/230W UL PS
- ✧ Enhanced 101 Keyboard & Mouse

120Mhz & 133Mhz Available

System	75 MHZ	90 MHZ	100 MHZ
Basic	$1388	$1488	$1588
2X Basic	$1578	$1678	$1778
2X Advance	$1608	$1708	$1808
4X Toshiba	$1668	$1768	$1868
4X Pioneer	$1688	$1788	$1888

A2

✧ Power by Triton:

TRITON Intel

- ✧ Intel Pentium 75/90/100
- ✧ Advance Pentium Motherboard
- ✧ 256K External Write-Back Cache
- ✧ 16 MB 72 Pin RAM, expandable to 64MB
- ✧ 1.2 GIG MB IDE Hard Disk
  (Add $70 for 850MB)
- ✧ 3.5" 1.44 MB Floppy Drive
- ✧ 15" 1024x768 SVGA NI Monitor (0.28dp)
- ✧ Diamond Stealth 64 w/2mb
- ✧ 32-bit PCI IDE I/O HD/FD Controller
- ✧ Mid Tower Case/230W UL PS
- ✧ Enhanced 101 Keyboard & Mouse

120Mhz & 133Mhz Available

System	75 MHZ	90 MHZ	100 MHZ
Basic	$1778	$1878	$1978
2X Basic	$1968	$2068	$2168
2X Advance	$1998	$2098	$2198
4X Toshiba	$2058	$2158	$2258
4X Pioneer	$2078	$2178	$2278

POWER

T3

✧ Powered by Intel Zappa:

- ✧ Intel Pentium 75/90/100Mhz w/Cooling fan
- ✧ Intel Advance ZAPPA Motherboard
- ✧ 256K External Write-Back Cache
- ✧ 16 MB 72 Pin RAM, expandable to 64MB
- ✧ 1.2 GIG MB IDE Hard Disk
- ✧ 3.5" 1.44 MB Floppy Drive
- ✧ 17" 1280x1024 SVGA NI Monitor (0.28dp)
- ✧ 64-bit SVGA Diamond Stealth Video 2mb
- ✧ 32-bit PCI IDE I/O HD/FD Controller
- ✧ Mid Tower Case/230W UL PS
- ✧ Enhanced 101 Keyboard & Mouse

120Mhz & 133Mhz Available

System	75 MHZ	90 MHZ	100 MHZ
Basic	$2198	$2298	$2398
2X Basic	$2388	$2488	$2588
2X Advance	$2418	$2518	$2618
4X Toshiba	$2478	$2578	$2678
4X Pioneer	$2498	$2598	$2698

WE ARE HERE TO SUPPORT

SUPPORTS:

Arttech's knowledgable Sale representatives will help you decide an ultimate system that fit your budget. Our friendly staffs will take the time to help and direct you to system that is right for you. Our TECH support will help you to configure your system free of charge from the day you pick up your system until the day you decide to buy your next system.

Financing:

Arttech also have a easy financing plan that will give you 120 Days same as cash. You will have a choice of using that 120 to pay off or monthly payment with low interest.

Quality:

All Arttech Computers are tested and burn-in for 96 hrs from the day you purchase until the day you pick-up. Arttech Technician will also test and configure the system that will optimize its performance to fit you.

Warranty:

All Arttech Computer have a 2 YEARS labor and One Years Part warranty. Durring our warranty Arttech will fix or replace your parts right away.

Assemble in the USA

Arttech build your system right in your home town. In most cases all our parts are being tested and put together in the USA.

NETWORKING:

Arttech also do Networking for company. If you need an on site or quote please call in for detail.

2X Basic

$189

It's a Sony

- ✧ 2X Sony CD-ROM
- ✧ 16-BIT SOUND CARD
- ✧ PERSONAL SPEAKERS
- ✧ 20 CD TITLES BUNDLE

2X

2X Advance

It's a Sony

- ✧ *2X Sony CD-ROM*
- ✧ *Sound Blaster 16*
- ✧ *PERSONAL SPEAKERS*
- ✧ *20 CD TITLES BUNDLE*

2X $219

4X Toshiba

Toshiba

- ✧ 4X Toshiba CD-ROM
- ✧ *Sound Blaster 16*
- ✧ 25 W SPEAKERS
- ✧ 20 CD TITLES BUNDLE

4X $279

6X Symphony

6 PLEX

- ✧ *6Plex Plextor SCSI II*
- ✧ *Sound Blaster 16 SCSI*
- ✧ *25 W SPEAKERS*
- ✧ *20 CD TITLES BUNDLE*

6X $699

CONNER PCI LOCAL BUS intel inside pentium ENHANCED IDE

96-hour burn-in test

2 years labor warranty

1 year part warranty

9 years in the industry

Arttech *Multimedia inc*

818-837-3166

Sale, Service, Consultant

15340 S. F. Mission Blvd.
Mission Hills, CA 91345
Tel. (818) 837-3166 Fax (818) 837-3165
Mon-Sat. 9:30AM-7:00PM Sun 12:00PM-5:00PM

POWER

120 DAYS SAME AS CASH

The Fine Print: Prices are reflected on cash discount. Prices are good only with this ad. Prices and configurations and availbility are subject to change without notice. All sales are final. Arttech are not responsible for typographical errors conference, on May 30 in San Francisco. From the online world, there was Michael Goldberg of *Addicted to Noise*, while consumer CD-ROMs were represented by David Cherry of *Blender*, Bob Roback of *Launch*, and Ross Teasley of *Hyperhead Media*. David Schwartz, one of the founders of Music & Multimedia, was also on the panel with his new title, *Control*, a CD-ROM publication oriented towards the pro, semi-pro, and obsessed-amateur worlds of music technology and audio production.

ONLINE VS. CD-ROM

When it comes to digital publications, the first, and in many ways the most profound, distinction is between those entirely online and those who still "ship atoms" as Nicholas Negroponte would put it.

Addicted to Noise is available only online as a Web site, while all the other publications come to you on CD-ROM. However, it became clear in the course of the panel that all the atom shippers foresee a day when they will have some sort of an online presence, even if only to supplement their CD-ROMs.

Michael Goldberg explained that for *Addicted to Noise*, online delivery is absolutely an integral part of what he's attempting to do. At the most obvious level, the immediacy of delivery is crucial. One of *Addicted to Noise*'s features is a nightly posting of that day's breaking rock 'n' roll news, news that is accessed around the world and, for example, rebroadcast by the Triple J radio station of Australia—and, no doubt, picked up by many other journalists as well as fans. This compares to production and distribution schedules for CD-ROMs that might range from an absolute minimum of a couple of weeks to a more realistic couple of months.

However, besides that, online publication has other interesting advantages. Firstly, all issues of *Addicted to Noise* remain online and are indexed. Thus eventually *Addicted to Noise* will become a sort of virtual history of rock 'n' roll, both by its ongoing coverage of current trends but also through its articles of historical analysis tracing, for example, the devolution of punk from the Ramones to Green Day and Offspring. This contrasts starkly with the package-of-the-month approach of the CD-ROM publishers. Secondly and more prosaically, *Addicted to Noise* doesn't have to worry about whether to press thirty thousand or one hundred thousand copies of any issue. It's there online for accessing by as many people as want to access it—and, in fact, it's accessed by far more people around the globe than any CD-ROM collection of atoms. The first issues of *Addicted to Noise* are reported to have received between 750,000 and 1,000,000 hits each (which are not the same as the actual number of readers; "hits" refers to the number of clips and samples accessed—but it's still a substantial number).

While *Addicted to Noise* values text highly—as Goldberg said, "There are things you can do with text that you can't do in any other media"—sound samples and video are an integral part of *Addicted to Noise*. The major drawback at this time is the limited bandwidth available for getting those large files off *Noise*'s server and into the consumer's computer. Many of *ATN*'s readers are currently at universities or other places with fast lines; thus the bandwidth problem is not severe for them.

Goldberg is a true believer in the coming age of cheap bandwidth and is positioning *ATN* accordingly. However, in the meantime, it is true, as became quite obvious while he was demonstrating *ATN*, that if you want speed for multimedia, online is not the way to go unless you have those high-speed connections. At the more abstract design level, however, there is no real difference between what is possible to do online or on CD-ROM—as Goldberg put it, "If bandwidth wasn't an issue you could do anything, it's all digital."

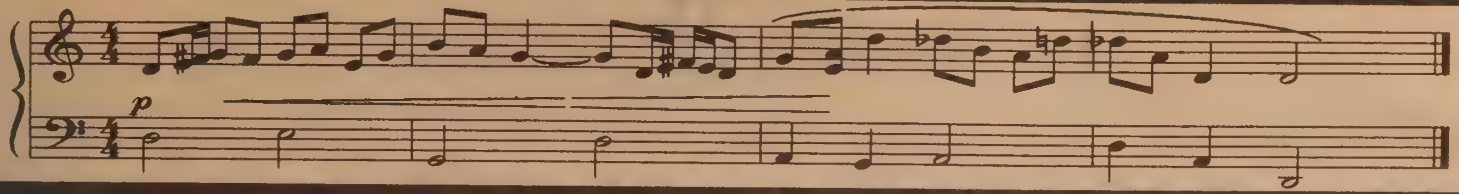
David Cherry immediately demonstrated the advantages of CD-ROMs when it comes to fast playback of sound or video with a few mouse clicks on *Blender*. He remarked, "The idea with me for digital media is to create some sort of synthesis between text and music and video. It's all got to happen at one time; people have got to be presented with an experience that they're going to find compelling, that they're going to find interesting.

"The other point I want to make about the difference between online and CD-ROMs is that online is a vast sea of information—there's so much stuff out there. What Michael's doing is presenting you with a small bit of that package and what we're doing is presenting you with a really, really tightly edited piece, all of which works together."

Clearly, designing a single product every month is a different and less ambitious proposition than designing an ever-growing accumulation of material. In addition, while the linking capabilities of the Web are obviously appealing and among its chief advantages, they can also pose difficulties if someone links into your pages inappropriately.

RIGHTS AND FAIR USE

Acquiring the rights to use preexisting material in CD-ROM titles has become a mini-industry of its own—but in the case of magazines with sound and video clips, the issues are quite different from those posed by repurposing material for a single-focus or reference title.



Make Music with Your Computer!

ATTENCION
HABLAMOS
ESPANOL
LLAMA MIKE
(818)789-4286

Roland
EP7II Digital Piano
$999
E36 Intelligent Synth
$950
JV-35 Synth w/$600 acces
$989

Apple® Peavey®
Music Starter System
Quadra 630 4/160sys
EZ Music Starter Kit:
- Book of Midi
- EZ Vision
- Band in a Box
- Interface

Peavey DPM2
260 Drum Patts
Installation
Training Included

$2299
Complete with Velocity, Multitimbal Keyboard
SAVE $1300!

Make Your Own CDs on Your Computer
Pinnacle Micro RCD1000
Makes CDs & CDRoms
with Your Mac or PC
$1699

Multimedia File Convertor Center
Disc to Disk
Synclavier SLink
Sound Forge & More

PC turtle beach systems **Roland**
Monterey Midi System
486DX-80 CPU
1meg video
1024x768 monitor
340mgHD
keyboard
mouse
Windows 3.1
Fatar st49 key
Quad
Cakewalk Win
Installation & Training

$2599
Plays 4 Tracks of Digital Audio w/4 meg rom of Sample Sounds w/ EFX!

The Latest Products & Largest Inventory of Music Software!

- Voice to Midi Convtr $150
- Finale 3.0 Win upgrd $99
- Roland Snd Canvas DB
- Roland RAP-10 $299
- Over 100 Midi Help Books!
- SCD10 & 15 Sale
- Cakewalk Home ST $99
- Band in a Box Pro $69
- PowerTracks Seq $29
- MusicTime CD $79
- Dr. T QuickScore $59

- Midi Interfaces from $25
- Noatation Prgm from $50
- Peavey DPM 3se $1695
- Midi Help Videos from $10
- General Midi Files from $12
- Turtle Beach Maui In Stock
- SAW 8 Track softwr $499
- Roland E16 Int Synth $636
- Roland JV880 $599
- Samplitude Studio 16trk $399
- Quad 4 track softw $sale

Mac/PC Session 8 In Stock

Roland GI-10/GK2 Gtr to Midi
$699

DAT to CD MASTER
$50
Call for Details

9 REASONS TO PURCHASE FROM US:

1. FREE Phone Support on Products purchased from us.
2. EZ Financing & Leases
3. Over 1000 Midi Programs!
4. Private Tutoring in your home or studio by the experts
5. FREE Monday Nite Midi Introduction Seminars
6. Notation & Sequencer Classes Performer & Vision starting Soon
7. Finale User Grp meet 4th Wed
8. Midi/Music BBS (818)789-4287
9. Computer Swapmeet in Pomona July 15 & 16

The Electronic Music Box

14947 Ventura Blvd. Sherman Oaks
(818) 789-4250

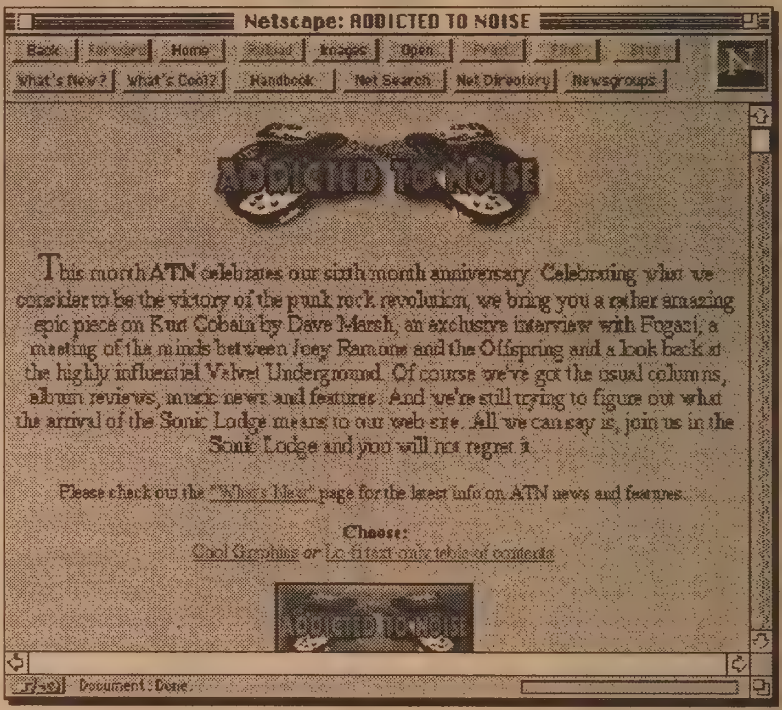
MULTIMEDIA MAGAZINES *continued...*

Theoretically, all the panelists believe in "fair use," that is the right to quote short excerpts of music or film for review purposes. This is an important principle, but one that is not yet clearly established in multimedia law. In practice, there turned out to be differences in the way this matter is handled by the CD-ROM and online publishers.

Launch's Bob Roback, while philosophically agreeing with the principle of fair use, explained, "Major publishers believe that they should be compensated for their music. At a strategic level, we decided to go to all the major music publishers and get blanket licenses for 30-second samples for a nominal and reduced royalty fee. This allows us to freely access music and include it on the disc and not worry, when dealing with record labels, that the publishers are going to become an issue."

Cherry had a similiar story with *Blender*, which decided for purely pragmatic reasons of lowering scheduling overhead to contact record labels and obtain permission to use one 30-second clip per review—a right which fits within record companies' promotional rights, thus evading the issue with publishers.

The case with *Control* is different yet again, because *Control* does not run music reviews as such but rather features about artists; David Schwartz announced that they were currently in the process of clearing rights to various clips. *Hyperhead Media* is at an early stage of development, but plans to use a clip from every



This month ATN celebrates our sixth month anniversary. Celebrating what we consider to be the victory of the punk rock revolution, we bring you a rather amazing epic piece on Kurt Cobain by Dave Marsh, an exclusive interview with Fugazi, a meeting of the minds between Joey Ramone and the Offspring and a look back at the highly influential Velvet Underground. Of course we've got the usual columns, album reviews, music news and features. And we're still trying to figure out what the arrival of the Sonic Lodge means to our web site. All we can say is, join us in the Sonic Lodge and you will not regret it.

Please check out the "What's New" page for the latest info on ATN news and features.

Choose:
Cool Graphics or Lo-fi text-only table of contents

YOUR SOLUTIONS TO TODAY'S COMPUTER NEEDS!!

PCI PENTIUM MULTIMEDIA SYSTEM
- Intel Triton Motherboard
- 4-PCI Bus Master, 4-ISA Slots
- 16MB RAM, 256K Write Back Cache
- 1.44MB Mitsumi Floppy Drive
- 850MB Conner Enhanced IDE Hard Drive
- Onboard PCI Enhanced IDE Controller
- PCI Diamond Stealth SVGA 1MB RAM
- 15" MAG DX15F N.I. .28dp
- 4x Teac CD ROM
- Creative Sound Blaster 16
- 60 Watt Amplified Speakers
- 14.4 Fax/Modem
- Mid Tower Case
- 101 Enhanced Keyboard
- Logitech Mouseman II

PENTIUM 133MHz	$2889
PENTIUM 120MHz	2599
PENTIUM 100MHz	2269
PENTIUM 90MHz	2169
PENTIUM 75MHz	2059

UPGRADE OPTIONS: 17" Monitor $325

PCI PENTIUM BASIC SYSTEM
- SIS Motherboard
- 4-PCI Bus Master, 4-ISA Slots
- 8MB RAM, 256K Write Back Cache
- 1.44 MB Mitsumi Floppy Drive
- 540MB Conner Hard Drive
- PCI Enhanced IDE Controller
- 2 Serial, 1 Parallel & 1 Game Ports
- PCI Diamond Stealth 1MB DRAM
- 15" N.I. KFC Monitor .28dp
- Mid Tower Case w/230 Watt Power Supply
- 101 Enhanced Keyboard
- 3-Button Mouse

PENTIUM 100MHz	$1549
PENTIUM 90MHz	1469
PENTIUM 75MHz	1359

UPGRADE OPTIONS: Total 16MB RAM $290

486 MULTIMEDIA SYSTEM
- 540MB Conner Hard Drive
- 8MB RAM
- 3 VLB Slots w/256K Cache
- 1.44 MB Mitsumi Floppy Drive
- 15" N.I. KFC Monitor .28dp
- Trident 9440 SVGA 1MB DRAM
- 32 bit VLB Controller
- Mid Tower w/230 Watt Power Supply
- Sony 2x IDE CD ROM
- Creative Sound Blaster 16
- 60 Watt Amplified Speakers
- 14.4 Fax/Modem
- 101 Enhanced Keyboard
- Hi-Resolution Mouse

486DX/100MHz Intel	$1399
486DX4/100MHz AMD	1299
486DX4/75MHz Intel	1359
486DX2/80MHz AMD	1279
486DX2/66MHz Intel	1299

WHY RPB IS BENEFICIAL TO YOU & YOUR COMPANY
◆ Long Term Partnership Guaranteed
◆ Networking Availability
◆ Same Day Service For Repair
◆ Qualified Technicians & CNE
◆ Lowest Prices
◆ Quality Products
◆ "Personal Touch" Customer Service

FREE INSTALLATION w/PURCHASE OF SYSTEM! Otherwise Hourly Labor.

RPB Computer Systems
1627 Chapman Ave., Orange, CA 92668
Tel: (714) 978-7430
Fax: (714) 634-2963

W Chapman Ave. RPB 57 Frwy. Feldner Main 55 Frwy. 22 Frwy. N W E S

Upgrades and custom configured available. Please call for details. Specialized in Repair and Upgrades. FREE Estimates. 1 day turnaround time. All systems carry a one year parts, five year labor warranty/72 Hour burn-in before shipping. Government & Corporate PO's Welcome. Price subject to change without notice. Not responsible for typographical errors. Visa, MasterCard, Discover and Check welcome! All prices reflect 3% cash discount.

COMPUTER UPGRADES!
- From a 386 to 486
- From a 486 to Pentium
- Upgrade your computer to play video/CD

Lti

BEATS SUPERSTORE PRICES!

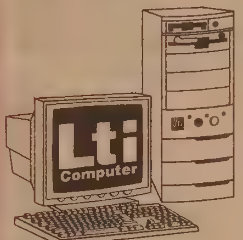
1 Your FIRST COMPUTER

Complete SYSTEM w/Color Monitor **$529**

- 386SX-33MHz CPU
- 14” SVGA Color Monitor
- 2MB DRAM Memory
- AMI BIOS
- 120MB IDE HD • 2S/1P Ports
- 1.44MB x 3.5” Floppy Drive
- Mini-Tower Case/220w PS
- 101-key Enhanced Keyboard
- FCC / UL / CSA Approved

2 intel inside pentium PROCESSOR

PCI Mid-Tower w/Color Monitor



- Intel Pentium™ CPU
- 14" SVGA, N-I, 0.28dp Color Mon.
- 8MB Memory (72-pin SIMMs)
- 540MB IDE HDD ● 1.44MB FDD
- PCI SVGA Graphics/1MB RAM
- PCI + ISA Bus ● Award BIOS
- 256KB External Cache
- Enhanced IDE built-in interface
- Hi-Speed I/O Ports - 2Serial/1Parallel/1Game
- Mid-Tower Case w/230w PS ● 101-key Keyboard
- Mouse (MS-compatible) ● FCC/UL/CSA Approved

Same-Day Carry-in Repair Service

75 MHz for Just: $1299

90 MHz CPU just $1409 • 100 MHz CPU just $1519

3 The OFFICE CHAMPION

VESA Local Bus 486DX2-66 w/Color Monitor **$899**

Cyrix 486DX2-66MHz CPU–Or substitute an Intel DX2-66 add $30; AMD DX4-100 add $70; AMD DX2-80 add $50; Intel DX4-100 add $140
- Pentium™-Ready ZIF Socket
- 4MB DRAM Memory • Award BIOS
- 128KB L2 Cache • Ports: 2S/1P/1G
- 420MB IDE HDD • 1.44MB FDD
- Trident 9440/1MB Graphics Adapter
- 14” SVGA 0.28dpi Color Monitor
- Mini-Tower w/220w PS
- 101-key Keyboard
- Mouse (MS-compatible)
- FCC/UL/CSA Approved

Same-Day Carry-in Repair Service

4 The BUDGET STRETCHER

Complete SYSTEM w/Color Monitor **$629**

Same as #1 (above) but with mini-tower case, **486SLC-33** CPU and 4MB DRAM memory!

Free Computer Training & One Year, On-Site Service w/Purchase
Corporate Accounts Welcome!

MONTHLY SPECIALS

1.44 Floppy Drive	$27
ISA 1MB Video Card	$50
VLB 1MB Video Card	$65
Super FAX Modem 24/96	$28
Remote Drive Stick	$20

HARD DRIVES

1GigaByte SCSI	$ 395
1GigaByte IDE	$ 285
540MB IDE	$ 175
420MB IDE	$ 155

Super VGA MONITORS

SVGA 14" 0.28dp	$ 190
SVGA 14" N-I 0.28dp	$ 200
SVGA 15" N-I 0.28dp LoRad	$ 329
SVGA 17" N-I 0.28dp LoRad	$ 595

RAM UPGRADES

Due to the volatility of the world RAM market, memory prices fluctuatate daily. Please call us FOR THE BEST RAM PRICES!

ACCESSORIES

Panasonic 2X CD-ROM	$ 75
FAX/Modem 14.4/14.4	$ 69
TEAC 4X CD-ROM	$179
Colorado Tape Back-up 250MB	$ 129

Prices shown based on cash discount. Prices and specifications subject to change without notice. All offers subject to availability from our vendors. Not responsible for typographical errors. All trademarks, registered trademarks, product names and logos are the property of their respective owners.

© 1995 Lti Computer Inc. All rights reserved.

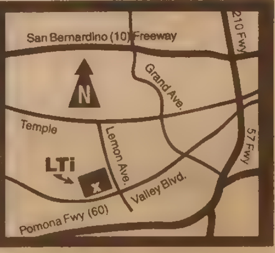
LTIAD595.PM5. M/T595. ComQuest Communications (818) 913-4818.

Lti COMPUTER
Your long-term partner.

HOURS: 10am-7pm Mon-Fri/Sat 10am-4pm
20265 Valley Blvd., Ste. O, Walnut, CA 91789

(909) 468-5887
FAX (909) 468-5885
Corporate Sales Line (909) 468-5882

TWO-YEAR LIMITED WARRANTY
2 YEARS
LTi COMPUTER



Pentium 133MHz, Imagine Top-performing PCs

Multimedia Pentium PCs

Ready for Windows 95/NT 3.51/OS2 Warp

Intel Pentium Processor
[illegible]

P5-75MHz	$1450
P5-90MHz	$1550
P5-100MHz	$1650
P5-120MHz	$2050
P5-133MHz	$2350

* 14" SL 28, 1024i Monitor	[illegible]
* 15" SL 28, 1280i Monitor	[illegible]
* 17" SL 28, 1280i Monitor	[illegible]
* Microsoft Nature Keyboard	[illegible]
* 14.4 Voice/Fax/Modem	$85
* 28.8 Fax/Modem (Internal)	$145

486 DX4/100, 4MB, Mini Case, 1.44FD, Barebone system Only $495

** For other requirement, Please Call for Detailed Info.*

The Portable Computing Power from 486 to Pentium

Standard Feature
[illegible]

Dual-Scan Color

486DX2/66, 4MB, 340MB HD	$1750
486DX4/100, 4MB, 340MB HD	$1850
Pentium 75, 8MB, 340MB HD	$2350
Pentium 90, 8MB, 340MB HD	$2450

* 14.4 Fax/modem	$120	* Cellular Datalink	$195
* 28.8 Fax/modem	[illegible]	* Docking Station	[illegible]
* Ethernet Card	$125	* Car Adapter	[illegible]

Please ask detailed Info about [illegible] Active Color Screen, memory, Hard drive, Accessories Upgrade Prices.

Networking Installation, Free Estimated, Netware 4.1, Windows NT

Free Class

**Get one day free
Computer Application Class!
at**

New Horizons
Computer Learning Center

DISCOVER VISA

Prices and Product availability are subject to change without notice. We are not responsible for typographical errors. Prices reflect a 3% cash discount. All product names are trademarks of their respective companies. All systems come with 1 year parts & Labor Warranty

Full Line Networking Products Available !

90 Days Interest Free Program

Removable Hard Dive Kit for IDE	$25
Removable Hard Dive Kit for SCSI	$25

850MB EIDE HD $215

External Parallel Port CD-ROM $229

Pentium 75 CPU with 133MHz MB *Only $490*

Lake Forest Computers

Tel:(714)837-4284
BBS:(714)837-4285
Fax:(714)837-4286

23532 El Toro Rd. #7A
Lake Forest, CA 92630
Business hrs
M - F:9 - 6, Sat:10 - 4

MULTIMEDIA MAGAZINES *continued...*

track on an album under the fair use principle.

Addicted to Noise, as an online publication, deals with the problem from a different angle. In addition to a strong philosophical dedication to the fair use principle, Goldberg explained that, because they are not selling a product to a consumer (shipping atoms) but are providing a free service, they are also practically covered under fair use. He noted that he had told record companies of *ATN*'s plans and that "all of them seemed very eager for review in *ATN* and we've had no problems along these lines." Later, when I attempted to clarify the situation, he told me that, backing up the philosophical basis of the decision, they had received legal advice that *ATN*'s approach was protected.

WHAT'S ENOUGH, WHO PICKS, AND EXCLUSIVE CONTENT

When representing an album's worth of music, one of the obvious questions is, "How much do you need to hear to provide an accurate impression of the whole thing?" The answers range from *Blender*'s one 30-second clip (pragmatically, not editorially based) through *Launch*'s three 30-second clips and *ATN*'s three clips of varying length to *Hyperhead*'s sampling of every track from an album.

A member of the audience asked who should pick those clips. All the panel members were vehement that they should be the ones to edit those clips to their own requirements—although Cherry raised the possibility that one day record labels would provide preedited clips, much as they currently provide the standard publicity features that run in many publications. This is obviously not a welcome idea, and, in the case of sound samples, will just as obviously be easy to circumvent. However, when dealing with more complex and expensive media such as films or videos, I think it is likely that the footage will be preselected to some extent by the originators, pretty much as they do with film trailers. Indeed, *Launch* uses studio trailers as its film previews.

It is clear that publishers will have to generate their own original and exclusive content in addition to using samples of otherwise available media. Theme music to disguise disc access time, provide identity, and to set a mood is important to CD-ROM publishers. Original interviews and video with artists instead of canned material provided by publicists is also an essential ingredient of the mix.

In *Control*'s case, much of the multimedia material is designed to demonstrate how equipment works, and to compare sounds from different kinds of gear, to really present different kinds of information that can be kept and used more fully than a mere sample of another media. Synthesizer patches and shareware are further examples of this strategy. Other titles use purely digital material such as short animations and mini "time-killer" games as important assets to distinguish one title from another. In

We sell not only brand name, but also Quality

Computer Cases *(Meet FCC Class B Requirement)*

- **CML 952 Middle/Full Tower**
  8 Full Length Add-on Cards / 8 Drive Bays
  Removable Mounting Plate for M.B./Extra Cooling Fan (Optional)
  Dimension: (L) 42cm X (W) 20cm X (H) 44cm
- **CML 953 Desktop**
  8 Full Length Add-on Cards / 5 Drive Bays
  Dimension: (L) 42cm X (W) 42cm X (H) 17cm
- **CML 956 Mini/Middle Tower**
  7 Full Length Add-on Cards / 6 Drive Bays
  Removable Mounting Plate for M.B.
  Dimension: (L) 42cm X (W) 20cm X (H) 33cm

Special Offers

- **Case & Power Supply** (2-Year Warranty)
  250W Power Supply Only $15
  UL 230W Power Supply Only $18
  Mini Tower + 250W Power Supply $27
- **Lite On Keyboard**
  710/810 $9 each
- **LanStar Networking Card** (5-Year Warranty)
  CC1601 Combo $165 for 8 pcs/box
- **MITSUMI** CD-ROM Drive
- **MITSUMI** Floppy Disk

Prices are for Dealers only!

MITSUMI LANSTAR A Commitment to Excellence GEM CASES DVE Power Supplies CML Quality Cases
LITE ON SAMPO KFC

IET International Electronic Technology, Inc.
428 Cloverleaf, Baldwin Park, CA 91706 TEL: (818) 336-1003 FAX: (818) 330-0052

DON'T BUY!!!

SMARTRENT FOR LESS

ADVANTAGES OF RENTING VERSUS BUYING OR LEASING:

1. Fast changing technology.
2. Full deduction of your monthly rental payments.
3. We pay equipment property tax, you don't.
4. Free and prompt service, delivery and pickup.
5. No long-term commitments to the outdated equipment.
6. No upfront capital expense.

HP LaserJet 4 Plus Printers, 600dpi, 12 pages per minute	$75.00/mo.
HP LaserJet 4M Plus Printers, 600dpi, 12 pages per minute	$125.00/mo.
Apple Power Quadra 605 Computers, 8MB RAM, 160MB HD	$95.00/mo.
Apple Power 7100/66 Computers, 8MB RAM, 500MB HD	$195.00/mo.
Apple PowerBook 520 Computers, 8MB RAM, 160MB HD	$165.00/mo.
Apple PowerBook 520C Color Computers, 8MB RAM, 160MB RAM	$195.00/mo.
Apple PowerBook 540 Computers, 8MB RAM, 320MB HD	$295.00/mo.
Compaq 486 DX2/66MHz Computers, 8MB RAM, 540MB HD	$95.00/mo.
AMCO 486DX2/66MHz Computers, 8MB RAM, 420MB HD	$95.00/mo.
Toshiba Laptop T1910CS Color Computers, 8MB RAM, 200MB HD	$175.00/mo.
Motorola Wireless Marco Computers	$129/mo.
Motorola Wireless Envoy Computers	$129/mo.

Other Brands And Configurations Are Available. Rentals Are Month to Month. No Security Deposit. FREE: Delivery, Installation, Service and Pick-Up. If you RENT NOW & pay more, switch to us and SAVE. RENT and use the latest technologies - ALWAYS.

CALL NOW: 213-937-6700

M-F, 8AM-5PM

AMCO Rents and Sales, Inc. • 600 N. La Brea, L.A. 90036

CABLE MANUFACTURER

DIRECT TO YOU!

MONTHLY SPECIALS

		+10	WHOLESALE
MF 430	3.5" HDD MOUNTING KIT	$0.70	$0.49
AB3-40-24	3 CONN. IDE CABLE 24"	0.83	0.73
AB3-50-26	3 CONN. SCSI CABLE 26"	1.05	0.93
AF5-34-29	5 CONN. FDD CABLE 29"	0.92	0.83
VKPB06450006	POWER CENTER 6 FT.	10.50	9.50
624478-002	1/SERIAL 1/SERIAL+PARALLEL (FOR INTEL MAINBOARD 2PCS/1SET W/2PCS BRACKET)	1.53	1.33
W2351803006-S	POWER CORD. 6FT. 18WG UL/CSA	0.78	0.70
CD-47-1	SONY TO SOUND BLASTER AUDIO CABLE	1.00	0.64
10 BAST-T	10 BAST-T 3 FT CABLE	0.57	0.57
FAN 586	PENTIUM 90/100 COOLING FAN	6.00	5.20
CD14	SONY AUDIO CABLE	0.20	0.20
MOUSE-1	MOUSE	4.60	3.90
AU-002TO1PAB	AUTO SWITCH 2 COMPUTER/1 PRINTER	7.50	6.90

• OVER 3000 ITEMS IN STOCK & AVAILABLE...Call For Details

• CUSTOM OEM & ODM CABLE AVAILABLE...PLEASE CALL • 1 YEAR WARRANTY ON ALL ITEMS

Cable & Accessories, Inc.

150 COMMERCIAL ST. SUNNYVALE, CA 94086
(Off Kifer Rd. Between Lawrence Exp. & Wolfe Rd.)
Mon - Fri 9am-6pm • Fax: (408) 735-8905 • TEL: (408) 735-8889

MULTIMEDIA MAGAZINES *continued...*

this general area, multimedia magazines face almost exactly the same editorial challenges that any other media face.

ADVERTISING

Advertising is going to be an inescapable part of the mix. *Addicted to Noise*, being a free service, is entirely supported by advertising, just like this magazine.

All the CD-ROM titles have advertising mixed in with the editorial. The key question is whether it will be forced down one's throat without being able to avoid it, or will it be sufficently amusing that one chooses to check it out? Both approaches are being tried. When you've finished an article in *Blender*, you have to watch ten seconds of an advertisement or close your eyes. *Launch* runs a "jumbotron" screen in its metaphorical cityscape as well as billboards. *Launch* has a section of advertisements called Resources, consisting mostly of demos and simulations of products and services.

Just like any other form of advertising, interactive advertising will work either by reinforcing brand-name awareness on an almost subliminal level, as the Dewar's ads with their picture-shuffling puzzle game do, or by presenting solid information about the product. Some will be annoying and trite, some will entertain, some will be effective—but the key to an ad's success will be whether it engages the viewer's attention enough to influence a purchase.

THE FUTURE

All the panelists had the obvious financial desire to do better than break even with their publications. David Cherry focused on that with *Blender*, "By Christmas next year,

continued on page 222

RESOURCES:

Addicted to Noise
http://www.addict.com/ATN/
or email to *insider@netcom.com*

Control
Light Rail Productions
652 Second St.
San Francisco, CA 94107
(415)284-1850
davidlrc@aol.com
$15.95 quarterly or $50 for a one-year subscription

Launch
2Way Media Inc.
1632 Fifth St., #330
Santa Monica, CA 90401
(310)260-7792
bobr@2launch.com
$35.99 for six-issue/one-year subscription or available in record and software stores

Blender
25 West 39th St., #1103
New York, NY 10018
(212)302-2626
blender@echonyc.com
$49.95 for a five-issue subscription

Hyperhead Media
in development
call Ross Teasley at (714)248-5381
or email to
hyprhead@ix.netcom.com for further info

OVER 800 CD-ROM TITLES ALL AT WHOLESALE PRICES

CLIPART PUBLISH

Color Clipart 1	$19
Color Clipart 2	$19
Business Clipart	$11
Clipart Cornecopia	$15
Clipart Heaven 2	$21
Clipart Warehouse	$11
Corel Gallery	$34
Corel Draw 3	$49
Corel Draw 4	$80
Corel Draw 5	$180
Corel Photo CD	$10
Fonts Platinum	$11
Font Heaven	$15
Key Clipart	$15
Key Fonts Plus	$15
Gif's Galore	$15
Icon's 4000	$19
Image Warehouse	$16
Kodak Photo CD	$12
Megaclipart (color)	$27
MS Publisher 2.0	$49
Photo Gallery	$15
Photo Library	$15
Photomorph	$15
Premiere Art 1	$15
Premiere Art 2	$15
Printmaster Gold	$15
Publisher Platinum	$11
Pub. Background	$15
Textures vol 1	$15
Textures vol 2`	$15
Tropical Rainforest	$13

EDUCATION

Dinosaur	$11
Aesop's Fables	$10
Amazon Trial	$24
Annatommy	$16
Arthur's Teacher	$15
Bodyland	$16
Carmen San Diego	$17
Children's Encyc.	$17
Cinderella	$11
Complete Algebra	$15
Creative Writer	$35
Dinosaur Encyc.	$13
Educational Plat.	$11
Just Grandma & Me	$15
Kid's Sing Along 1	$10
Kid's Sing Along 2	$10
Kid's Work 2	$20
Lenny Music Toon's	$10
Mario's Time Mach.	$13
Mario Early Years	$12
Math Ace	$14
Math Blaster	$20
Math Blaster Plus	$20
Math Master	$12
Oregon Trail 1	$19
Oregon Trail 2	$29
Ozzy World	$18
Paperbag Princess	$10
Play-N-Learn	$12
Putt Putt Fun Pack	$15
Putt Putt Parade	$15
Reader Rabbit	$28
Real World Math	$15
Ruoff Bone	$30
Sitting onThe Farm	$13
Snoopy' s Math	$17
Snoppy's Spelling	$17
Tale Of Benj. Bunny	$10
Tale of Peter Rabbit	$10
Tortoise & Hair	$31
Space Adventure	$10
Tuneland	$19
Whales	$11
Whales & Dolphins	$13
Undersea\Kid's Zoo	$18
What is a Bellybutton	$15
Word Stuff	$15

GAMES

101 Best Games 1	$11
101 Best Games 2	$11
7TH Guest	$17
Aces Of The Deep	$25
Aces Over Europe	$19
Aces Over Pacific	$19
Aegis	$19
Alien Logic	$15
Alone In The Dark	$16
Battle Chess Enhc.	$15
Battle Drome	$19
Betrayl of Krondor	$19
Blown Away	$19
Castles 2	$22
Chessmaster 4000	$15
Civilzation	$21
Comanche	$26
Commander Blood	$19
Corridor 7	$10
Crystal Caverns	$19
Cyber War	$35
Cyberia	$25
Cyclones	$19
Dark Forces	$39
Dark Legions	$19
Dark Sun 1	$19
Dark Sun 2	$19
Dawn Patrol	$21
Day 1 The Tentacle	$19
Desert Strike	$19
Descent	$28
Doom 2 Acc. Pack	$12
Doom Explosion	$16
Doom Mania 2	$12
Dracula Unleashed	$18
Dragon Liar	$21
Dragon Lore	$22
Estatica	$19
Fleet Defender	$20
FX Fighter	$36
Gaberial Knight	$15
Goblins 3	$17
Great Naval Bat. 2	$19
Great Naval Bat. 3	$20
Gunship 2000	$15
Hell	$19
Hell Cab	$11
Inca 2	$12
Incredicle Machine 2	$22
Incredible Toon Mach.	$22
Indiana Jones	$17
Indy Car	$19
Iron Helix	$17
Jagged Alliance	$36
Jewels of Oracle	$12
Journeyman Turbo	$16
Jurrassic Park	$12
Jutland	$12
King's Quest 6	$15
King's Quest 7	$25
Leisure Suit 6	$19
Lemming's Chronicles	$18
Lands Of Lore	$22
Lode Runner Ret.	$19
Lord OF The Rings	$16
Mad Dog 1	$14
Mad Dog 2	$17
Megarace	$10
Menzoberranzan	$19
Microcosom	$12
MS Golf	$17
Myst	$30
Nascar	$26
NBA Live	$38
Novastorm	$18
Outpost	$19
Panzer Genaral	$19
Police Quest 4	$19
Privateer	$15
Quarantine	$21
Radioactive	$15
Ravenloft	$19
Realms of Arkania	$21
Rebel Assault	$23
Renagade	$20
Return To Zork	$16
Rise of The Robots	$24
Rise of Triad	$26
Sam & Max	$17
Sea Wolf	$15
Sim Cirty Enhanced	$16
Sim City 2000	$20
Space Ace	$24
Space Hulk	$15
Space Simulator	$30
Star Crusader	$15
Star Trek 25th	$16
Strike Commander	$15
Strike Eagle III	$15
Sydicate Plus	$15
System Shock	$35
Terminal Velocity	$27
Trump Castle	$13
Ultimate Games	$11
Ultrabots	$15
Under Killing Moon	$42
U.S Navy Fighter	$35
U.S Ticonderoga	$19
Ultimate Domain	$12
Virtual Vegas	$15
Voyeur	$29
Who Shot Johnny	$12
Wing Com. 3	$45
Wolf 3-D Mania	$12
World Circuit	$15
World Of Flight Sims.	$16

LANGUAGES

Berlitz French	$89
Berlitz German	$89
Berlitz Italian	$89
Berlitrz Spanish	$89
Dictionaries & Lang	$11
East Asian Text Proc.	$24
EZ Languages	$15
Languages of World	$17
Learn to Speak Eng	$29
Multimedia Spanish	$15
Mutlimedia French	$15
Quick & Easy Span.	$18
Translator Span.	$28
Triple Play Spanish	$19

PROGRAMMING

6-Pack Shareware	$19
Awesome Animation	$16
BSD Lite	$16
BSDISC	$17
C\C+ Reference Vol. 1	$15
C\C+ Reference Vol. 2	$15
Cica Feb.1995	$12
C-User's Group Aug	$22
Forbidden Subjects 1	$20
Forbidden Subj.ects 2	$24
Free BSD 2.0	$19
Hacker Chron.. 1	$21
Hacker Chron. 2	$24
Ham Radio	$11
Hobbes OS\2 June	$13
Hobbes Ready Run	$14
Internet Access 95'	$15
Internet Info June	$15
Internet Tools	$15
Internet Wizard	$13
MPC Wizard	$10
Night Owl 16	$22
Perl & TCL/TK	$15
PC Technician	$16
PC Library	$16
POV Ray	$24
QRZ Winter 1995	$12
Residence Freak Show	$16
Scientific & Tech Man.	$22
Shareware Studio 6	$15
Simtel 2CD's May 95	$13
Slackware 2.3	$17
Source Code	$15
SQL Server	call
Standards NOV.94	$15
Technotools	$11
Usenet Oct 94	$15
Visual C ++Prof 1.5	$59
Visual Basic Prof 3	Call
Windows 95' How To	$15
Windows NT 3.51	Call

REFERENCE

11 Million Bus. 95	$16
70 Mill. Household	$19
Adam	$35
Amer .Talking Dict.	$17
American History	$17
Body Works Voy.	$11
Bodyworks 3.0	$11
Body works 4.0	$19
B&H Cookbook	$13
B&H Gareding	$13
CAD Complete	$27
CIA Papers	$11
Comp. Booknotes	$15
Comp Gde. to Drug	$17
Compl. Legal Guide	$11
Compton's 95 Ency.	$24
Concise Encylc.	$13
Cookbook Heaven	$14
CD Deluxe 4-Pack	$15
D-Day Encyclopedia	$15
Elect. Cookbook	$15
Famiy Dr 3rd	$15
Family Treemaker	$29
Grammy's	$16
Groliers 95	$22
Haldeman's Diary	$15
History Of Painting	$15
Home Designer	$12
Home Gardener	$12
Home Remedies	$13
How Body Works	$18
Infopedia	$20
Instant Calender	$19
JFK Assasination	$13
Key Gourmet	$15
Land Designer	$27
Leonardo	$17
Lib. of the Fut. 2nd	$19
Lotus Smartsuite	$155
Map-N-Go	$34
Mavis Beacon 2.0	$10
Mavis Beacon3.0	$17
Mayo Family Health	$17
Mayo Pharmacist	$17
Mayo Sprts. & Fitness	$17
Mayo Total Heart	$17
Medical Dictionary	$17
Mega Movie Guide	$12
Mosby's Medical Ency.	$19
Monarch Notes	$17
Movie select	$13
MS Ancient Lands	$24
MS Bookshelf 94	$29
MS Bookshelf 95	$39
MS Comp. Baseball	$29
MS CompBasketball	$29
MS Cinemania 95	$35
MS Dang Creatuers	$25
MS Dinosaurs	$25
MS Encarta 95	$35
MS Access 2.0	call
MS Excel 5.0	call
MS Office4.2	call
MS Office 4.3	call
MS Word 6.0	call
MS Works 3.0	$29
Musical Instruments	$24
My House 3D Design	$29
Office 4.3 Made Easy	$12
Parenting	$13
Phone Disc Bus 95	$20
Phone Disc Res. 95	$24
Powerfinder 1995	$139
Project Guttenberg	$15
Quicken 4.0 Deluxe	$35
Reference Lib. 95	$18
Resume Maker	$15
Seinfield	$14
Select Phone 1995	$139
Shakespear	$17
Street Atlas	$69
Symptoms & Surg.	$17
Time Almanac	$13
Time Almanac 1995	$18
Travel Map	$12
Triple AAA Planner	$17
U.S Atlas	$13
U.S. Multimedia Hist.	$17
Webster's Encyc. 95	$16
World Atlas	$13
World Literary	$14

SOUND

Beethoven's 5th	$16
Encyclopedia Sound 1	$11
Encyclopedia Sound 2	$11
Midi Master Collection	$11
Midi Music Shop	$15
Mozart	$12
Massive Midi Collect.	$15
MS Mozart	$20
MS Beethoven	$25
MS Strauss	$29
Musical Instruments	$21

SPACE

Astrologer	$17
Beyond Planet Earth	$14
Exploring Solar Sys.	$11
Hubble Telescope	$11
Mission to Mars	$11
Our Solar System	$11
Return to The Moon	$17
Solar Heaven	$14
Space Adventure	$10
Space & Astronomy	$15
UFO II	$17

ADULT

Adult Japan Cartoons	$15
Dream Machine	$29
Hidden Obsessions	$19
Night Watch 2	$29
Sex Foot Slut Pk. 6CD	$38
Seymour Butts 1	$29
Seymour Butts 2 2CD	$38
Space Sirens	$36
Strip Blackjack	$35
Strip Poker	$35
Tracy I love You	$19
T & A 1-6 Each	$16
Vitual Vixen's	$29

BRING THIS ADD AND SAVE ON THIS MONTH'S SPECIALS!!!

Oregon Trial $19	**NASCAR $24**	**King's Quest 7 $23**	**BIO FORGE $35**	**Microsoft Bookshelf 95 $29**
Terminal Velocity $26	**FX Fighter $35**	**RISE OF THE TRIAD $26**	**U.S. NAVY FIGHTERS $35**	**RISE OF THE ROBOT $15**

Infomagic

LINUX TOOLBOX

*** 4 CD-ROM SET**

* Installation & Getting Started Guide. A 245 page manual with step by step setup & installation procedures.

$34.99

* NOTE WITHOUT MANUAL $19

ADULT 6-PACK #1

Insatiable
Legend 4
Legends of Porn 2
Biker Babes
Digital Dancing
Taste Of Erotica

only $39 each

OVER 200 ADULT TITLES

ADULT 6-PACK #2

Night Trips 2
Asain Palette
Legends Of Porn 1
Taste Of Erotica
Go Digital Mag.
Lover's Trance

MAILORDER TODAY!!! 5 CADDY'S 16.99 5 JEWEL CASES $1.99

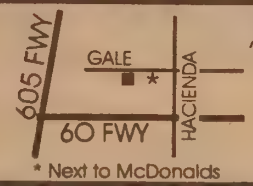
New Titles Weekly!!!

Largest Selection At The Lowest Prices Anywhere

VISA MasterCard

SAVINGS

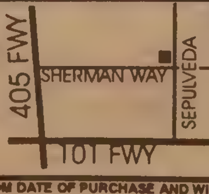
GALE PLAZA
15606 Gale Ave. #F
Hac. Hghts. Ca 91745
Tel: 818-336-8922
Fax: 818-336-8922



* Next to McDonalds

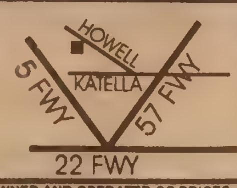
STYLIN MULTIMEDIA
Were Open:
Mon 11-6
Tue-Fri 10-7
Sat-Sun 10-4

LOCATED AT:
15333 Sherman Way #S
Van Nuys, Ca 91450
Tel: 818-781-9470
Fax: 818-781-9470



CD-ROM CENTRAL TECHNOLOGIES
Were Open:
Mon-Fri 11-7
Sat-Sun 11-5

N. Stadium Bus. Cntr.
2120 Howell Ave. #404
Anaheim Ca 92806
Tel: 714-634-38CD
Fax: 714-634-0117



JUST CD'S
Were Open:
Mon-Fri 9-5
Sat 10-2
Sun Closed

ALL PROCUCTS ARE GUARANTEED 14 DAYS FROM DATE OF PURCHASE AND WILL BE EXCHANGED FOR THE SAMED ITEM. EACH STORE IS INDEPENDENTLY OWNED AND OPERATED SO PRICES AND PRODUCT MAY VARY.

■ ELCO COMPUTERS ■ M.A. MICRO ■ ELCO COMPUTERS ■ M.A. MICRO ■ ELCO COMPUTERS ■ M.A. MICRO

486 BASIC SYSTEM

486 DLC 40	$699
486 SLC 33	$659

○ *4MB RAM .70ns*
○ *1.44MB Floppy Drive*
○ *210MB IDE Hard Drive*
○ *Super IDE w/ATIO*
○ *512K VGA Card*
○ *14" SVGA Monitor .28 1024x768 NI*
○ *2 Serial, 1 Parallel, 1 Game Port*
○ *101 Enhance Keyboard*
○ *Hi Res. Mouse*
○ *Mini Tower Case w/230W Power Supply*

486 PCI SPEED STAR
Multi-Media

Intel 486 DX2-66	$1369
Intel 486 DX4-100	$1409
AMD 486 DX4-80	$1349
AMD 486 DX4-100	$1369

○ *8MB RAM .70ns, 256K Fast Cache*
○ *1.2 & 1.44MB Floppy Drive*
○ *540MB IDE Hard Drive w/IDE I/O*
○ *Diamond Stealth 64 PCI w/2MB*
○ *15" .28NI SVGA Monitor Dig (1280x1024)*
○ *101 Enhance Keyboard*
○ *Hi Res. Mouse*
○ *Mid Tower Case w/250W Power Supply*
○ *250MS Double Speed (2X) CD ROM Drive*
○ *16 Bit Sound Card*
○ *14 CD Title*
○ *140 Watt Speaker*

486 VLB BASIC

Intel 486 DX4-100	$889
Intel 486 DX2-66	$859
AMD 486 DX2-80	$829
AMD 486 DX4-100	$849

○ *4MB RAM .70ns, 256K Fast Cache*
○ *3-1/2 1.44MB Floppy Drive*
○ *540MB IDE Hard Drive*
○ *32 Bit VLB 1MB SVGA Card*
○ *14" .28 SVGA Monitor NI*
○ *32 Bit VLB Controller Card*
○ *2 Serial, 1 Parallel, 1 Game Port*
○ *101 Enhance Keyboard*
○ *Hi Res. Mouse*
○ *Mini Tower Case w/230W Power Supply*

Upgrade 8MB + $140
Upgrade 15" SVGA + $109

P5 PCI SPEED STAR

P5 120 MHz	$1859
P5 100 MHz	$1559
P5 90 MHz	$1479
P5 75 MHz	$1419

○ *Pentium PCI Mother Board*
○ *8MB RAM .70ns, 256K Fast Cache*
○ *1.2 & 1.44MB Floppy Drive*
○ *540MB IDE Hard Drive*
○ *PCI IDE w/2 Serial, 1 Parallel, 1 Game Port*
○ *Diamond Stealth 64 PCI w/2MB*
○ *15" .28NI SVGA Monitor Dig (1280x1024)*
○ *101 Enhance Keyboard*
○ *Hi Res. Mouse*
○ *Mid Tower Case w/250W Power Supply*

Multi Media + $180
○ *250MS Double-Speed (2X) CD ROM*
○ *16 Bit Sound Card*
○ *14 CD Titles*
○ *140 Watt Speaker*

486 VLB SUPREME

Intel 486 DX4-66	$1209
Intel 486 DX4-100	$1289
AMD 486 DX4-100	$1219
AMD 486 DX2-80	$1209

○ *8MB RAM .70ns*
○ *3-1/2 1.44MB Floppy Drive*
○ *540MB IDE Hard Drive*
○ *32 Bit VLB 1MB Win Accelerator*
○ *15" .28NI SVGA Monitor Dig (1280x1024)*
○ *32 Bit VLB Controller Card*
○ *2 Serial, 1 Parallel, 1 Game Port*
○ *101 Enhance Keyboard*
○ *Hi Res. Mouse*
○ *Mini Tower Case w/230W Power Supply*
○ *250MS Double-Speed (2X) CD ROM*
○ *16 Bit Sound Card*
○ *14 CD Titles*
○ *140 Watt Speaker*

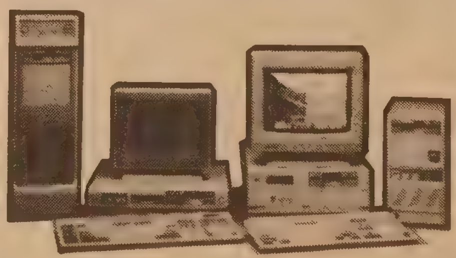
P5 PCI SPEED STAR PRO

P5 120 MHz	$2779
P5 100 MHz	$2479
P5 90 MHz	$2379
P5 75 MHz	$2299

○ *Pentium PCI Mother Board*
○ *16MB RAM .70ns, 256K Fast Cache*
○ *1.2 & 1.44MB Floppy Drive*
○ *1GB SCSI II Hard Drive*
○ *Adapter 2940 PCI/SCSI Controller*
○ *Diamond Stealth 64 PCI w/2MB (or ATI)*
○ *17" Digital NI 1280x1024 Monitor*
○ *101 Enhance Keyboard*
○ *Hi Res. Mouse*
○ *Mid Tower Case w/250W Power Supply*

Multi Media + $340
○ *Quad Speed (4X) CD ROM Drive SCSI*
○ *Sound Blaster 16 Sound Card*
○ *14 CD Titles*
○ *140 Watt Speaker*

ALL SYSTEMS COME WITH
ONE YEAR PARTS & TWO YEARS
LABOR WARRANTY



We offer over 800 brand name items, very competitive pricing, quality product and reliable support.
Dealer and resaler inquiries welcome!

818-284-3281
ELCO COMPUTERS
229 S. RAYMOND AVE., ALHAMBRA, CA 91801
FAX: 818-284-4871

TO ORDER
,
CALL NOW

818-293-3317
M.A. MICRO
955 MERIDIAN AVE., ALHAMBRA, CA 91803
FAX: 818-293-3321

■ ELCO COMPUTERS ■ M.A. MICRO ■ ELCO COMPUTERS ■ M.A. MICRO ■ ELCO COMPUTERS ■ M.A. MICRO

ELCO COMPUTERS ■ M.A. MICRO ■ ELCO COMPUTERS ■ M.A. MICRO ■ ELCO COMPUTERS ■ M.A. MICRO ■

818-284-3281
ELCO COMPUTERS

229 S. RAYMOND AVE., ALHAMBRA, CA 91801
FAX: 818-284-4871

TO ORDER / CALL NOW

818-293-3317
M.A. MICRO

955 MERIDIAN AVE., ALHAMBRA, CA 91803
FAX: 818-293-3321

HARD DISK & FLOPPY DRIVE

○ Conner 2105S 2GB SCSI	$750
○ Conner CPS540A 525MB IDE	169
○ Conner CP420 420MB IDE	145
○ Conner 850A 850MB IDE	195
○ Conner 1080S 1GB SCSI	409
○ Conner 1275A 1.27GB IDE	259
○ WD2540 520MB IDE	179
○ WD2850 850MB IDE	209
○ WD31200 1.2GB IDE	305
○ Quantum MVS540 540MB IDE 12MS	180
○ Quantum 1080S 1GB SCSI	379
○ Fujitsu 1606S 1GB SCSI	389
○ Maxtor 7540A 545MB IDE 12MS	169
○ Maxtor 7850 850MB IDE	195
○ Maxtor 12760A 1.26GB IDE	279
○ Seagate ST31220A 1GB IDE	295
○ Seagate 31230N 1GB SCSI	539
○ Seagate 3660A 540MB IDE	169
○ Seagate 3491A 420MB IDE	157
○ Micropolis 1936 3GB SCSI 2	850
○ Teac 1.2MB Floppy Drive	40
○ Teac 1.44MB Floppy Drive	30
○ Teac Dual Drive	81
○ Mitsumi 1.2MB Floppy Drive	40
○ Mitsumi 1.44 Floppy Drive	29

KEYBOARDS

○ BTC 5339 101 Key	$13
○ Fujitsu 4720 101 Key	38
○ Focus 2001 101 Key	30
○ Focus 6200	25
○ Focus 7000+ w/Trackball	34
○ Focus 8000 w/Calculator	34
○ Focus 9000 Programmable	44

MICE & SCANNERS

○ Logitech Easy Touch	$159
○ Logitech 256 w/OCR	139
○ Logitech 32K Scanner	85
○ Logitech Color Scanner w/OCR	240
○ Microsoft Serial Mouse (OEM)	24
○ Genius Color Scanner	175
○ Genius 32K Scanner w/OCR	79
○ Genius 256K Scanner w/OCR	105

CASES

○ Mini Tower Case w/200 PS	$35
○ Mid Tower Case w/230 PS	50
○ Full Tower Case w/250 PS	65
○ Baby AT Case w/200 PS	42

CONTROLLERS

○ PCI IDE w/IO (16550)	35
○ VLB Super IDE w/AT IO	18
○ Super IDE w/AT IO	11
○ Promise VLB Enhanced 16550 (2300T)	55
○ Promise VLB Cache IDE	99
○ Adaptec 1522 SCSI w/KIT	125
○ Adaptec 1542 CK w/KIT	225
○ Adaptec 2742 EISA SCSI w/KIT	330
○ Adaptec 2842 VESA SCSI w/KIT	225
○ Adaptec 2940 PCI SCSI2 w/KIT	275
○ Adaptec 1505 SCSI OEM	70

MOTHERBOARDS

○ Amptron 486-33/66/100 VLB 256K	$85
○ Amptron 486DLC40 128K MC	110
○ Amptron 486 PCI	115
○ Amptron 386DX40 128K w/CPU	84
○ Amptron 486SLC33 w/CPU	58
○ Amptron 386SX40 w/CPU	52
○ Percom 486VLB 33-100	86
○ FIC 486VLB 256K ZIP Green PC	90
○ FIC Pentium 100 PCI (INTEL)	219
○ Pentium 60/66 PCI (INTEL)	155
○ Pentium 60/66 PCI SIS	119
○ Pentium 75/90/100 256K PCI SIS	159
○ Pentium 90/100/120 (INTEL) Triton	219

CD ROM

○ NEC 6XI	$495
○ Mitsumi 400-4X Quad Speed	169
○ Panasonic 574 4X	169
○ NEC 511 SCSI CD 4X	275
○ Teac Quad Speed OEM	159
○ Toshiba 3601 SCSI Quad Speed	299
○ Plextor 43CH Quad Speed SCSI	375
○ CD Title (18 Titles/14 Titles)	35/33
○ Hitachi 4X IDE	152

TAPE BACKUPS

○ Colorado DJ35 350MB INT	135
○ Colorado JT20 250MB EXT	255
○ Colorado DJ25 700MB INT	185
○ Colorado DJ50 1.3GB	295
○ Colorado T1000 (800MB)	199
○ Conner 420MB INT	150
○ Conner 800MB INT	219

VGA CARDS

○ ATI M32 VLB DRAM 1MB	$95
○ ATI M32 PCI DRAM 1MB	98
○ ATI M64 VLB DRAM 2MB	169
○ ATI M64 PCI DRAM 2MB	169
○ ATI M64 VLB VRAM 2MB	255
○ ATI M64 PCI VRAM 2MB	255
○ Diamond Stealth 32 VLB 2MB	145
○ Diamond Stealth 32 PCI 2MB	149
○ Diamond Stealth 64 VLB 2MB VRAM	260
○ Diamond Stealth 64 PCI 2MB VRAM	260
○ Diamond Stealth 64 PCI 2MB DRAM	165
○ Diamond Stealth 64 VLB 2MB DRAM	165
○ Diamond Stealth 64 PCI/VLB 1MB DRAM (OEM)	125
○ Diamond Viper SE VLB PCI 2MB	255
○ Trident 9000 ISA 512K	35
○ Trident 8900D ISA 1MB	55
○ Trident 9440 VLB 1MB	62
○ Trident 9420 PCI 1MB	62
○ Trident 9440 PCI 1MB	65
○ Cirrus Logic 5428 1MB	65
○ Cirrus Logic 5429 1MB	69
○ Cirrus Logic 5434 PCI 1MB	89

SOUND CARDS & MULTI-MEDIA KITS

○ Sound Blaster 16 MCD	$130
○ Sound Blaster 16 MCD ASP	158
○ Sound Blaster 16 SCSI (OEM)	95
○ Sound Blaster 16 SCSI ASP	185
○ Sound Blaster 16 Basic Value	86
○ Sound Blaster 16 Vibre IDE	70
○ Sound Blaster 16 AWE32	255
○ Jazz 16 Bit Sound Card AT BUS/IDE	50
○ Acer 16 Bit Sound Card	55
○ Discovery School House Mult-Kit	199
○ Discovery CD16 Mult-Kit	252
○ Discovery CD16 Value Mult-Kit	189
○ Discovery 4X Multi-Kit	315

MODEMS & FAXES

○ Smartone 9624 INT FAX	$28
○ Smartone 14400 INT	55
○ Smartone 14400 INT FAX Voice	65
○ Smartone 14400 EXT	85
○ Smartone Pocket FAX	56
○ Smartone 28800 V34 INT/EXT	145/165
○ Mitac 14400 EXT	80
○ US Robotic 14400 INT	95
○ US Robotic 14400 EXT	105
○ US Robotic 28800 V34 INT	219
○ US Robotic 28800 V34 EXT	229

MONITORS

○ CTX 1565GM 15" SVGA Digital	$319
○ CTX 1562CLR 15" SVGA	295
○ CTX 1451C 14" SVGA NI	215
○ CTX 1451GM 14" SVGA LR, ES, NI	222
○ CTX 1765CD 17" SVGA	560
○ CTX 1785GM 17" SVGA	620
○ Samtron 428VS+E 14" SVGA	205
○ Samtron 428TX+ 14" SVGA NI	225
○ Samtron 528UXL 15" Digital	315
○ Samtron 728SXL 17" SVGA	585
○ Optiquest 1000S 14" SVGA NI	235
○ Optiquest 2000DC 15" SVGA Digital	360
○ Optiquest 4500DC 17" SVGA ES Digital	659
○ Optiquest 4000DC 17" SVGA	595
○ Optiquest 4000TC 17" SVGA	715
○ Optiquest 2082 20" SVGA	1150
○ Viewsonic 15ES 15" SVGA NI	350
○ Viewsonic V15G 15" SVGA	385
○ Viewsonic 17G 17" SVGA	705
○ Viewsonic 17 17" SVGA	785
○ Viewsonic V20G 20" SVGA	1190
○ Viewsonic V20PS 20" SVGA	1340
○ Viewsonic V21PS 21" SVGA	1550
○ Techmedia 214C 14" SVGA (0.28)	172
○ Techmedia 1400 14" SVGA NI	189
○ Techmedia 214C 14" SVGA (0.39)	162
○ KFC 1511 15" SVGA Analog	269
○ KFC 1711 15" SVGA Digital	550
○ MAG 17" SVGA Digital	605
○ MAG 15" SVGA Digital	330

FUJITSU ViewSonic® TOSHIBA SAMTRON SAMSUNG ELECTRON DEVICES Panasonic Office Automation CONNER

WARRANTY:
WE OFFER A ONE YEAR LIMITED WARRANTY ON ALL ITEMS STARTING FROM THE DATE OF INVOICE.
WARRANTY DOES NOT COVER ANY DAMAGE DUE TO ACCIDENTS, MISUSE OR NEGLIGENCE. WARRANTY ONLY COVERS ITEMS WITH MANUFACTURING DEFECTS.
WE WILL REPAIR OR REPLACE ANY ITEMS WITH NEW OR REFURBISHED ITEM AT OUR DISCRETION

RETURN MERCHANDISE AUTHORIZATION:
ALL RETURN ITEMS REQUIRE AN RMA (RETURN MERCHANDISE AUTHORIZATION) NUMBER AND MUST BE SHIPPED FULLY INSURED AND FREIGHT CHARGES PREPAID.
ALL MERCHANDISE MUST BE ACCOMPANIED BY AN INVOICE AND MUST BE IN ITS ORIGINAL PACKING WITH ALL ACCESSORIES AND MANUALS INCLUDED RMA NUMBER(S) MUST BE WRITTEN ON EACH CARTON RETURNED.
NO REFUND OR EXCHANGES AFTER 7 DAYS. NO REFUND OR EXCHANGES ON PRINTERS. NON DEFECTIVE RETURNS SUBJECT TO 15% RESTOCKING CHARGE.
FINAL APPROVAL IS CONTINGENT UPON RECEIPT AND INSPECTION OF RETURNED ITEMS WHICH MUST BE RECEIVED IN UNDAMAGED CONDITIONS
PRICES AND AVAILABILITY SUBJECT TO CHANGE WITHOUT NOTICE $5.00 HANDLING CHARGE FOR ORDERS UNDER $500.
PLEASE OBTAIN ALL TERMS AND CONDITIONS FROM SALESPERSON NOT RESPONSIBLE FOR TYPOGRAPHICAL ERRORS.

Genius CTX TEAC

Maxtor® Seagate Canon MITSUMI OPTIQUEST WESTERN DIGITAL

ELCO COMPUTERS ■ M.A. MICRO ■ ELCO COMPUTERS ■ M.A. MICRO ■ ELCO COMPUTERS ■ M.A. MICRO ■

ELCO COMPUTERS ■ M.A. MICRO ■ ELCO COMPUTERS ■ M.A. MICRO ■ ELCO COMPUTERS ■ M.A. MICRO ■ ELCO COMPUTERS

MAGICTEK COMPUTERS

FOR EXPERT SERVICE CALL OUR TECH SUPPORT LINE • GUARANTEED 24 HOUR TURNAROUND TIME • IN OUR SIXTH YEAR OF BUSINESS

MONTHLY SPECIALS!

PCI PENTIUM SYSTEMS

Acer

- Intel Pentium Processor
- ACER Triton Chipset
- Plug & Play BIOS
- 16MB FPM Memory & 256K Cache
- 1.2GB Mode 4 Enhanced IDE Hard Drive
- PCI Enhanced IDE Hard Drive Controller
- PCI 64-Bit Graphics Accelerator w/2MB
- 17" ACERVIEW 76i SVGA .27 Monitor
- ACER Quad Speed IDE CD ROM
- ACER S-30 16Bit Sound Card
- Amplified Stereo Speakers
- 14.4 Fax Modem w/Voice w/Amer.On-L
- 2x16550 UART Serial & 1 EPP Parallel Port
- 101 Enhanced Keyboard & Mouse
- 7 Bay Mid Tower Case & 3.5", 1.44 FDD
- MS DOS 6.22 & WFW 3.11
- MS Encarta, MS-Golf and 18 Educational Game Titles on 2 CDs

Pentium 75MHz	$2435
Pentium 90MHz	$2535
Pentium 100MHz	$2655
Pentium 120MHz	$2955

- Intel Pentium Processor
- 16MB FPM Memory & 256K Cache
- 850 Mode 4 Enhanced IDE Hard Drive
- PCI Enhanced IDE Hard Drive Controller
- PCI 64 Bit Graphics Accelerator w/1MB
- 15" ACERVIEW SVGA .28 Monitor
- ACER Quad Speed IDE CD ROM
- ACER S-30 16 Bit Sound Card
- Amplified Stereo Speakers
- 14.4 Fax Modem w/Voice w/Amer.On-L
- 2x16550 UART Serial & 1 EPP Parallel Port
- 101 Enhanced Keyboard & Mouse
- 7 Bay Mid Tower Case & 3.5", 1.44 FDD
- MS DOS 6.22 & WFW 3.11
- MS-Encarta, MS-Golf and 18 Educational Game Titles on 2 CDs

Pentium 75MHz	$2145
Pentium 90MHz	$2245
Pentium 100MHz	$2365
Pentium 120MHz	$2665

486DX4-100MHz PCI (AMD) MULTIMEDIA SYSTEM

- 486DXII-66MHz CPU (Intel) (Zif Socket)
- 256K External Cache (SIS Chipset)
- Built-In Math Co-Processor & 8K RAM Cache
- 4 Meg Installed Expandable to 128 Meg On Board
- 540MB IDE Hard Drive
- IDE Controller 32 Bit VLB
- 1.44 Floppy Drive (TEAC)
- AT I/O, 2 Serial, 1 Parallel, 1 Game Ports
- Super VGA Card w/1024K 32 Bit VLB
- Super VGA Monitor Non-Interlaced (.28dpi)
- 101 Enhanced Keyboard (Maxi)
- Mid Tower Case & 230W Power Supply
- DOS 6.2 w/Manuals
- Sound Blaster 16
- Speaker
- Microphone
- Double Speed CD ROM
- CD Titles

$1225

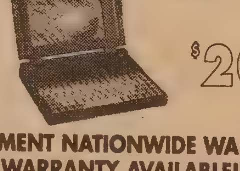
IBM 486DXII-66MHz VLB / 256K CACHE

- 486DXII-66MHz CPU (IBM Blue Lightning) (Zif Socket)
- 256K External Cache (SIS Chipset)
- Built-In Math Co-Processor & 8K RAM Cache
- 4 Meg Installed Expandable to 128 Meg On Board
- 540MB IDE Hard Drive
- IDE Controller 32 Bit VLB
- 1.44 Floppy Drive (TEAC)
- AT I/O, 2 Serial, 1 Parallel, 1 Game Ports
- Super VGA Card w/1024K 32 Bit VLB
- Super VGA Monitor Non-Interlaced (.28dpi)
- 101 Enhanced Keyboard (Maxi)
- Mid Tower Case & 230W Power Supply
- DOS 6.2 w/Manuals

$895

ACER NOTEBOOK:

- Intel 486DX4-75MHz
- 4MB RAM
- 1.44MB FDD
- 340MB Hard Drive
- Dual Scan Screen
- Trackball
- PCMCIA Fax Modem
- Carrying Bag



$2099

1 YEAR REPLACEMENT NATIONWIDE WARRANTY!
3 YEAR WARRANTY AVAILABLE!

CD-ROM

Acer IDE 2x Speed CD ROM	$75
Acer IDE 4x Speed CD ROM	165
Teac 4x CD/1.44 Combo CD ROM	205
Teac 4x CD ROM	179
Toshiba SCSI 3601 4x Speed CD ROM	310
NEC 4x SCSI CD ROM	295
PARALLEL PORT CD ROM	***CALL***
CD TITLES AVAILABLE	***CALL***

SOUND CARDS

Acer Sound Magic S30 IDE Sound Card (Creative Labs)	$65
Sound Blaster AWE 32	275
Sound Blaster 16 MCD	75
Sound Blaster 16 MCD w/ASP	95
Sound Blaster 16 SCSI-2	105
Sound Blaster 16 ASP Chip	35
Other Models	CALL

VIDEO CARDS

VGA 512K, 16 Bits Trident	$39
Cirrus Logic 1MG VGA	65
VESA Local Bus ATi/Expression 1MB VGA	135
VLB Trident Chipset 1MB VGA	69
VLB Cirrus Logic VGA (5429)	75
All VESA Local Bus Video Cards Available	CALL
All PCI Local Bus Video Cards Available	CALL
PCI ATi Mach 64 w/2 Meg VRAM	279
PCI ATi Mach 64 w/2 Meg DRAM	189
PCI Diamond Stealth Video 2MB VRAM	265
PCI Diamond Stealth Video 1MB DRAM	125

MONITORS NEW!

(VIEWSONIC AUTHORIZED RESELLER)

ViewSonic 17"	**CALL FOR BEST PRICE!**
ViewSonic 20"	
ViewSonic 21"	
ViewSonic 20G PS *(NEW!)*	
ViewSonic 15G 15", .28dp, 1280x1024, 72Hz Refresh *(NEW!)*	395
ViewSonic 6E 14", .28dp, 1024x768, N/I	250
ViewSonic 17GS 17", .28dp, 1280x1024, 72Hz Refresh, N/I	735
ACER 15", 1280x1024, w/Digital Control	365
ACER 17" .27dp, 1280x1024	635
MAG 17" DX17F	610
Optiquest	CALL
Arcus 14881 14" SVGA .39	185
VGA Mono 14"	89
Mono Amber 14"	79
Acrus 1458 Non-Interlaced 14" SVGA	225
ViewSonic VS127 Speaker	130

LOCAL AREA NETWORKING Interface Cards & Accessories

NETWARE

Windows NT 3.5	$280
3.12 5 User	**CALL FOR BEST PRICES!**
3.12 10 User	
25 User	
50 User	
NetWare Lite	85
Lantastic AI 6.0	85
Window Work Group	CALL
FOR ALL NOVELL UPGRADES	CALL!

ETHERNET ADAPTERS ALL MAJOR BRAND NAMES AVAILABLE PLEASE CALL!

8 Port Ethernet 10 Base-T Concentrator	$150
16 Port Ethernet 10 Base-T Concentrator	339
Pocket Ethernet	175
16 Bit Ethernet Cox 10 Base-T Combo	45
Jumperless 16 Bit Ethernet Combo	39

PRINTER SERVICE ALL MAJOR BRAND NAMES AVAILABLE PLEASE CALL!

Netquest Support 2-P/1-S Netware/TCP/IP..$310

ON SITE SERVICE AVAILABLE!

Services Include: • Software Installation • Onsite Trai
• Onsite Service • Onsite Maintenance • Network Consultation
• Workgroup for Windows • Artisoft-Lantastic • Network Setu
• Remote Communications • MultiMedia Setup
• Serving L.A., Orange, San Diego & Ventura Counties
CALL TO SCHEDULE AN APPOINTMENT - 714/939-9220

PRINTERS:

Panasonic 1150	$135
Panasonic 2130	210
Panasonic 4400	450
Epson All Models	CALL
HP Laser Printer All Models	CALL
Okidata All Models	CALL

KEYBOARDS:

Maxi-Switch	$29
Fujitsu 4720, 601KB	38
BTC 53309SX	19
Keytronic (Big enter)	28
Focus 2001	29
Focus 6000	25
Focus 8000	35
Focus 9000	59
101 Enhanced Keyboard	15
Microsoft Natural Keyboard	85

CASES:

Mini Tower w/Digital	$49
Mid Tower w/Digital	69
Big Tower w/Digital 230W	95
Big Tower w/Digital (10 Spaces) 250UL	135
Acer Case Available	CALL

COLORADO TAPE DRIVES:

350MB	$138
700MB	185
1400MB	295
DC 2120 Tape XIMAT	15
DC 2120XL	19
Trakker 350MB	325
MicroSolutions (Parallel Port Backup)	330
Conner Tape Backup	CALL
DJ-35 (350MB)	138
DJ-25 (700MB)	185
T1000 (800MB)	195
SCSI Tape Backup	CALL

MOUSE:

Logitech Mouseman Serial	$42
Microsoft Home Mouse	39
Microsoft Serial Mouse	35
Portable Trackball	59
Serial Mouse	9
DEXXA Mouse	19

MEMORY CHIPS/MATH COPROCESSORS CALL!

HARD DISK:

Quantum	CALL
Maxtor	CALL
Conner	CALL
Western Digital	CALL
Conner 1.2 GB IDE Hard Drive	275

MISCELLANEOUS:

MPEG Video Card	$195
AT I/O w/16550 chip	32
Adaptec 2940	195
Adaptec SCSI 1542C F	179
TEAC Floppy Drive (1.2M)	43
TEAC Floppy Drive (1.44M)	33
TEAC 2-in-1	89
V-L IDE I/O Controller	19
V-L IDE w/Cache (512K Upgrade to 16.5MB)	125
SmartLink 14.14 Fax/Modem	59
SmartLink 28.8 Fax/Modem Internal	175
US Robotics/Zyxel	CALL

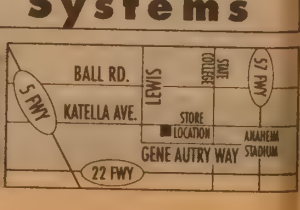
1 Year Parts & 2 Year Labor Warranty For Systems

Prices subject to change without notice. Not responsible for typographical errors.

MAGICTEK COMPUTERS

1218 E. Katella, Anaheim, CA 92805
Tel: 714/939-9220
Fax: 714/939-9221 • BBS: 714/939-9219

Business Hours:
Monday-Friday:
9:30 A.M. - 7:00 P.M.
Saturday:
10:00 A.M. - 3:30 P.M.



DeluxePaint V: The Standard Continues

Electronic Arts Returns With New Version

BY DOUGLAS J NAKAKIHARA

Have you noticed that despite the fact that Commodore's been gone for over a year, cool stuff keeps coming out for the Amiga? Developers continue to release upgrades and even brand-new products. In the past few months I've covered VLab Motion, ImageFX 2.0, and AlphaPaint. I haven't even got to Toaster 4.0 and LightWave 4.0 which are really going to blow your socks off.

Anyway, I'd all but written off an upgrade of DeluxePaint (aka DPaint) from Electronic Arts (EA), but die-hard fans can now rejoice—DPaint has returned with a vengeance in the form of version V.

Overall, EA has retained the same familiar interface: pull-down menus and right-side toolbar. However, a lot has changed under the hood. They've included many of the features people have been asking for, particularly ARexx and true-color support.

However, don't look for top honors in image processing, which has never been DPaint's forte. DPaint excels in register-based image processing (256-color and less stuff), although this new version does internally support 24-bit images, and of course it has always supported the HAM modes.

I'm going to make the big assumption that you're somewhat familiar with DPaint, and concentrate on what's new.

24-BIT TRUE COLOR SUPPORT

If you have the new "Backing Store" option selected and load a 24-bit picture, DPaint will internally track all of the image's RGB data. It does this independent of the screen mode being used. As such, the image that appears on your screen is only an approximation of the true image being manipulated. Obviously, an AGA Amiga will display an image closer to reality using HAM8 (256,000 colors) than a non-AGA machine using HAM6 (4096 colors).

TRUE-COLOR VS. REGISTER-BASED

Old-time DPaint users may get a little confused when using Backing Store because of the way palettes are handled. Twenty-four-bit is a true-color mode; thus any pixel in the image can be any one of 16.7 million colors. Every pixel has its own independent RGB value. A color palette is merely a vehicle used to assign a color to a pixel. Once the color's assigned, there is no more association with the palette, allowing you to modify the palette, load a new one, etc., without affecting the colors in the image.

Compare this to register-based modes where the palette is essentially a list of colors available to the image.

Each pixel points to a specific color in the palette list. Thus, if you change a color in the palette, any pixel that points to it will change accordingly.

When using Backing Store with a HAM8 display, loaded brushes look great without the need to remap their color palettes. You may encounter minor HAM fringing errors in the display; however, the underlying 24-bit image will have none of this. (Of course you need a true 24-bit display to verify this.) You can convert the 24-bit image to any screen mode (e.g., 256-color hi-res) supported by your Amiga by simply changing the screen format. DPaint will even, as an option, dither colors for you.

Backing Store is a great feature for people without 24-bit graphics cards or for those who just want to use DPaint's drawing tools. (Note: This trick is nothing new to the Amiga and has been implemented in various fashion on programs like ToasterPaint, ImageFX, and Brilliance.)

GRADIENT TRANSLUCENCY

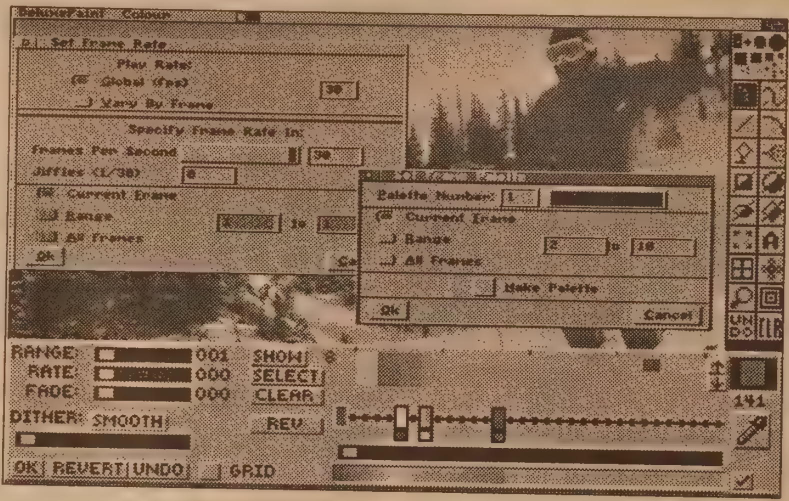
Another new feature allows you to create gradients with variable translucency. This is implemented through the Color Range requestor. Every "color bead" in a range can have its own independent Fade (translucency) setting. DPaint interpolates the in-between settings based on the relative position of beads on the range line.

The color change between beads has three dither options. You can smooth the change or make the changes more distinct with the Pattern option. The Random setting lets you adjust the dither between none and smooth.

NATURAL EFFECTS

New to the Effects menu are the Natural Media and Textured Background modes. These work in conjunction with each other.

Natural Media includes chalk, felt-tip marker, oil pastel crayon, and watercolor. Textures are basically IFF brushes that provide the target for the selected Natural Media. Many textures are supplied, including canvas, fabric, fiber, paper, and wood. Any IFF image can be used as a texture, though the manual suggests they be tileable and use sixteen or more colors.



> I'd all but written off an upgrade of DeluxePaint, but die-hard fans can now rejoice—DPaint has returned with a vengeance in the form of version V.

NEW AIRBRUSH

The Airbrush tool has a new mode that will paint shades of the foreground color to blend the desired color into an image. The old style Airbrush, which is still available, only uses the foreground color.

The Flow parameter determines the opacity of the outer edge of the spray. There is a see-through window which allows you to test the Airbrush settings on a portion of the underlying image. Unfortunately, EA overlooked including the new Airbrush as a pen option with drawing tools (i.e., line, curve, etc.), so you are limited to drawing freehand with it.

BRUSH CUTTING

The polygon brush cutting tool now allows you to draw in freehand the outline of your brush. This feature can be used in conjunction with the straight-line polygon mode. The new Magic Pickup mode works something like a standard fill operation. It will let you instantly pick up a contiguous shape that is surrounded by the background color or you can pick up a contiguous shape consisting of a single color. This has very limited application when using highly detailed images, however.

FILE REQUESTORS

Since DPaint now uses ASL requestors, File requestors now have an options window to allow various loading options, depending on what you are loading. The options window displays things like a thumbnail preview, file size, resolution, number of colors in palette, etc.

The thumbnail previews can be embedded into the image file and/or used for the file's icon when the image is saved. Both of these are program preference settings. There is an adjustable smoothing setting to anti-alias the previews. Note, however, that the image-embedding scheme is not a standard, and other programs may eliminate it when resaving.

MOVE REQUESTOR

The Move requestor lets you interactively set the beginning and end points of your animated move. This includes positioning, sizing, and perspective rotation. The ability to set a beginning and ending translucency allows you to do things like fade a brush from view as it is moved.

The new Camera Move requestor is similar to the Move requestor but allows you to scroll around an entire screen. Also like the Move requestor, you can interactively set the beginning and end points. This is a very cool feature and was at the top of many animators' wish lists.

ANIMATIONS

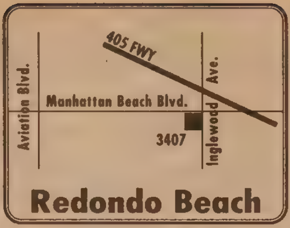
In prior DPaint versions you were always limited to a single palette for animations. This limitation is gone; you can now independently set the palette for every frame.

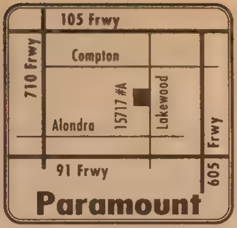
There are also tools to apply a palette to all frames or a defined range. In similar fashion, the frame rate for an animation can be set independently for each frame. This can be from one to sixty frames per second.

Computers & Technology

1 3407 Inglewood Ave. #B
Redondo Beach, CA 90266
Fone: (310) 798-7332
Fax: (310) 214-4947

2 15717 Lakewood Blvd. #A
Paramount CA 90723
Ph: (310) 602-5539





Pentium Multimedia Package

UL & FCC Class 2 Approved.

3 years labor & 1 year parts warranty

- 586 DX-90 PCI Intel CPU with 256 cache
- 540 MB IDE HD
- Mid Tower Case /230 PS • 1.44 MB FD
- 4MB RAM
- 14" SVGA NI .28 Color Monitor
- Mouse • 101 Keyboard
- Quad Speed Multi-Session CD ROM
- CD Titles including Encyclopedia
- SVGA PCI 1MB S3 Video Card
- PCI I/O IDE Card 4HD, 2FDD, 2S, 1P, 1G

$1379 ONLY $40/MO.

Super Pentium Package

UL & FCC Class 2 Approved.

3 years labor & 1 year parts warranty

- 586 DX-100 PCI Intel CPU/**Intel Triton Chipset**
- 540 MB IDE HD
- Mid Tower Case /230 PS
- 1.44 MB FD
- 8MB EDO ENHANCED D-RAM
- 15" SVGA NI .28 Color Monitor
- Mouse • 101 Keyboard
- SVGA PCI 1MB S3 Graphic Card
- PCI I/O IDE Card 4HD, 2FDD, 2S, 1P, 1G

$1529 ONLY $50/MO.

Super Pentium 120/133 MHZ

UL & FCC Class 2 Approved.

3 years labor & 1 year parts warranty

- 586 DX-120/133 PCI Intel CPU/**Intel Triton Chipset**
- 540 MB IDE HD
- Mid Tower Case /230 PS
- 1.44 MB FD
- 8MB EDO ENHANCED D-RAM
- 15" SVGA NI .28 Color Monitor
- Mouse • 101 Keyboard
- SVGA PCI 1MB S3 Graphic Card
- PCI I/O IDE Card 4HD, 2FDD, 2S, 1P, 1G

$1999/ $2199 ONLY $[illegible]/MO.

IBM 486 DX2-80 System

UL & FCC Class 2 Approved.

3 years labor & 1 year parts warranty

- 486 DX2-80 VLB IBM CPU with 256 cache
- 420 MB IDE HD
- Mid Tower Case /230 PS • 1.44 MB FD
- 4MB RAM
- SVGA NI .28 14" Color Monitor
- Mouse
- 101 Keyboard
- SVGA VLB 1MB Card 1024x768
- VLB I/O IDE Card
- 14.4 Fax Modem

$999 ONLY $[illegible]/MO.

MOTHER BOARDS WITH CPU & CACHE

ISA 486-40 TI CPU		$ 69.00
VLB 486-DX4 100 AMD 256K Cache		**$199.00**
VLB 486-DX2 80 AMD CPU, 256K Cache		**$179.00**
VLB 486-DX2 66 Cyrix CPU, 256K Cache		**$159.00**
VLB 486-DX2 66 Intel CPU, 256K Cache		**$219.00**
Pentium System Boards	**w/CPU**	**w/o CPU**
586-75 Intel, 4 PCI, 256K	$399.00	$159.00
586-90 3-PCI, SIS, AW BIOS 256K	$429.00	$169.00
586-100 3-PCI, 4 ISA Triton Chipset, 8 MB EDO D-RAM Flash ROM	$969.00	$479
586-133/120 3-PCI, 4 ISA Triton Chipset, 8 MB EDO D-RAM Flash ROM	$1589/1299	$569
IBM System Boards w/CPU & NPU		
IBM 486SLC3-75, VLB, OPTI, 64K		$225.00
IBM 486SLC2-66, VLB, OPTI, 64K		$145.00

486-100 Multimedia Package

UL & FCC Class 2 Approved.

3 years labor & 1 year parts warranty

- 486 DX2-100 VLB AMDI CPU with 256 cache
- Pentium Over Drive ready Zif Socket
- 540 MB IDE HD
- Mid Tower Case /230 PS • 1.44 MB FD
- 4MB RAM
- SVGA NI .28 14" Color Monitor
- Mouse
- 101 Keyboard
- Quad Speed Multi-Session CD ROM
- CD Titles including Encyclopedia
- SVGA VLB 1MB Card 1024x768
- VLB I/O IDE Card 2HD, 2FDD, 2S, 1P, 1G

$1195 ONLY $40/MO.

1 G.B CONNER
3.5" IDE
HARD DRIVE
$259

1.2 G.B MAXTOR
3.5" IDE
HARD DRIVE
$269

1.6 G.B MAXTOR
$429

I/O CARDS

16Bit 2S,1P,1G,2HD,2FD	$ 13.00
VLB 2S,1P,1G,2HD,2FD	$ 23.00
PCI SCSI CARD	$99.00
VLB 6360 Adaptec SCSI	$ 99.00
VLB AT I/O&IDE 4+4 Suprt 2.88 HI/Spd.	$ 55.00
VLB AT I/O&IDE w/OK Cache Promise 4030	$149.00
PCI I/O IDE Card	$ 39.00
Adaptec 2940	$195.00
Adaptec 2940/w.	$229.00
Adaptec 1542	$169.00

VIDEO CARDS

ISA VGA 256k Video Card	$29.00
ISA VGA 1MB Video Card	$59.00
VLB SVGA 1MB 1024x768	$53.00
PCI/VLB Diamond Stealth 64bit/1MB DRAM	$129
PCI/VLB Diamond Stealth 64bit/2MB VRAM	$269
Diamond Viper SE VLB /2MB VRAM	$299
PCI/VLB Pro Turbo /2MB VRAM	$279
PCI/VLB Pro Turbo /4MB VRAM	$489
#9 PCI 4MB DRAM	$569

PRINTERS

HP540	$ 225.00	Epson Lasor	$349.00
HP5P	$ 879.00	Epson Stylus 720 Color	$490.00
HP4Plus	$1359.00	Panasonic P1150	$129.00
HP4L	$ 4890.00	Canon BJC-600	$445.00
Please call for latest prices.		Canon 4000	$349.00

SIMMS & MEMEORY

1Meg Simms 70ns 1x3	$ 36.00	4Meg Simms 70ns 72pin	$138.00
4Meg Simms 70ns 1x9	$135.00	8Meg Simms 70ns 72pin	$269.00
16Meg Simms 70ns	$469.00	**Please call for latest prices.**	

Financing is Available.(OAC)

All Prices are Cash/Check

CPU

586-133 Intel	$1059.00
586-120 Intel	$810.00
586-100 Intel	$459.00
586-90 Intel	$329.00
586-75 Intel	$259.00
486 DX4-AMD 100	$129.00
486 DX4-100 Intel	$169.00
486 DX2-66 Intel	$119.00

HARD DRIVES

200 MB IDE	$119.00
420 MB IDE	$149.00
540 MB IDE	$169.00
540 MB IDE MAXTOR	$169.00
540 MB SCSI QUANTUM	$189.00
850 MB IDE	$229.00
1.0 GB W.D. IDE	$319.00
1.0/2.0 GB CONNER SCSI	$439/889
1.0 GB QUANTUM	$429.00
4.0 GB QUANTUM	Call

MONITORS

14" SVGA .28 NI	$189.00
14" SVGA .28 NI 1024x768	$205.00
15" SVGA .28 NI 1280x1024	$276.00
17" SVGA .28 NI 1280x1024	$568.00
Viewsonic Monitors	
V15 15" .27 NI 1 280X1024	$425.00
V17E 17".28 NI	$689.00
NEC	
NEC 3FGE 15"	$429.00
NEC 4FGE 15"	$449.00
NEC 5FG 17"	$749.00
MAG	
MAG DX 15"F .28 NI 1280X1024	$339.00
MAG DX 17"F .26 NI 1280X1024	$599.00
SONY	
SONY 1425 14"	$3 29.00
SONY 151 SF 15"	$429.00
SONY 17 SF 17"	$825.00

Business Hours

Mon–Fri 9 a.m. to 6 p.m.
Sat–Sun 10 a.m. to 4 p.m.

ACCESSORIES

Mini Tower Case w/ps	$ 35.00
Mid Tower Case w/ps	$ 40.00
Desktop Case w/ps	$ 45.00
Full Tower Case w/ps	$ 70.00
Key Board 101 BTC	$ 15.00
Key Board Focus 2001	$ 39.00
Key Board Focus 8000	$ 45.00
Mouse Generic	$ 9.00
Microsoft Mouse 2 button	$ 35.00
1.2 MB FD 5"	$ 40.00
1.44 MB FD 3"	$ 29.00
250 MB Tape Backup	$149.00
420 MB Tape Backup	$179.00

NETWORK CARDS

16Bit 2in1 NE-2000 Comp	$ 35.00
32Bit 3in1 VLB w/driver	$119.00
PCI Digitel Network Card	$129.00

FAX/MODEMS

14400 Fax Modem	$ 49.00
14400 Fax/Modem/Voicemail	$ 59.00
14400 Fax Modem BOCA	$ 89.00
14400 Fax Modem US ROBOTIC	$ 99.00
28.8 Fax/Modem Internal	$129.00

MULTIMEDIA KIT

Quad Speed CD ROM, 16 Bit Sound Card, Speakers 15 CD Title	**Only $289.00**
Sound Blaster Discovery 16	$239.00
CD ROM & SOUND CARDS	
Sony CD Double Speed	$105.00
Panasonic CD Double Speed	$105.00
Quad Speed/TEAC/MITSUMI	$179.00
Sound Blaster 16 MCD	$ 75.00
Sound Blaster 16 SCSI	$123.00
Sound Blaster AWE/32	$239.00
Crystal Lake 32 Bit Sound Card	$155.00

All systems come with a one year warranty, extended support and lifetime service option is available on request.

*Prices subject to change without notice. Not Responsible for typos. All product names are trademark of their respective companies.

FREE CATALOG WITH ANY $10 ORDER!

"We Have Great Connections"

NETWORK • COMMUNICATIONS • COMPUTER • AUDIO • VIDEO

CABLES & CONNECTORS & ACCESSORIES

CABLES

SCSI $4/up
SCSII & III. $14/up
MIDI/Sound Blaster . $17
Internal Drive. $1/up

ACCESSORIES

DUAL 6C WALL PLATE . . $1
12V DC Pwr Fans. $5
Auto Fax Switches . . $79/up
EtherNet Card $55
Monitor Arms $39
Keyboard Drawers . . $14/up

TEN BASE T

CAT. 5 PVC
6 ft. 068-L5 . . . .$4
12 ft. 128-L5 . . .$6
25 ft. 258-L5 . . .$8
50 ft. 508-L5 . .$14
100 ft. 108-L5 .$26

SOUND SAVINGS!!!

Built in 4 Watt or 10 Watt Stereo Amplifier. Shielded w /volume, bass, & treble control. Power Supply Available

TM-172

4 Watt $7.00
10 Watt $16.00

Novell Certified Ten Base T Hubs - 8 port EtherNet Hub . . . $149

2 Ft. SCSI II/HD50 male to SCSI 1 male
MFG by COMPAQ
#CC-679-2 . . . .$14

MICROPHONES

General Purpose Large Dynamic Mic 1/4" to 1/8" adapter included
TM-mic
$5 each

Clip-on Condenser Mic, 1/4" Plug, 10' cord
TM-mic-2
$3 each

Roger's Systems Specialist

21021 Soledad Canyon Road Santa Clarita, CA 91351
805-288-2288 Fax/805-288-2293
800-366-0579

NOTEBOOK SALE!

Epson ActionNote 650C $1885
(486 DX/2 50, 4MB RAM, 260 MB H.D., 10.3" Color Display)
IBM ThinkPad 360CSE $2380
(486 DX/2 50, 4MB RAM, 340 MB H.D., 9.5" Dual Scan Color)
IBM ThinkPad 360CE $2540
(486 DX/2 50, 4MB RAM, 540 MB H.D., 9.5" Active Matrix Color)
IBM Thinkpad 755CSE $3695
(486 DX/4 100, 8MB RAM, 340 MB H.D. 10.4" Dual Scan Color)
IBM ThinkPad 755CD $6595
(486 DX/4 100, 8MB RAM, 540 H.D., 10.4" Act. Color, CD-ROM Sound Card, Speakers, Data/Fax Modem, Video In & Out)
Toshiba T1960CT $2595
(486 DX/2 50, 4MB RAM, [illegible] MB H.D., Active Matrix Color)

PACIFIC COMPUTER CO.
22775 Pacific Coast Hwy #101- Malibu, CA
(310) 456-3411

LIGHTTABLE ENHANCEMENTS

The LightTable feature lets you simultaneously see up to four frames of an animation, in addition to the current frame. For each of the four frames you can now: hide/unhide, set the relative frame number, and specify a dim value.

AREXX

DPaint finally supports ARexx with what appears to be a full command set. Command details fill forty-five pages of the manual. I was glad to see the inclusion of interactive requestor commands as well as commands to get the values of various DPaint settings. Kudos to EA.

Up to ten macros (i.e., ARexx scripts) can be assigned to hotkeys for quick access. These also appear in a user menu as Macro #1, Macro #2, etc. This gives you no clue as to what each does. If you don't remember, you have to bring up the Load Macro requestor to find out.

A few pre-made macros are included, but they aren't too useful. One attempts to add a translucent drop-shadow to a brush, another tries to add a beveled edge, and another lets you type DPaint commands at a CLI prompt. The others are essentially single command scripts, which makes you wonder why they are even there. However, the provided scripts do act as good examples to help you write your own macros.

A macro-record feature has been implemented that writes operations including mouse movements to an ARexx file. To minimize the complexity of recorded information, there is an option that reduces unnecessary detail. Unfortunately, the record function does not reproduce all operations. For example, if you open a requestor and set certain options for a color range, none of the details will be recorded, only the main operation command. Still, this goes a long way in saving time when you're trying to write a working script and it's just a matter of adding the required command parameters. Can you imagine trying to write an ARexx script to sign your name from scratch?

OTHER NEW FEATURES

Printing options have been enhanced. There is more control over printing parameters and there is a feature that allows you to print an animation in storyboard fashion. Up to sixteen pictures per page are allowed.

Pressure-sensitive drawing tablets are supported. Pressure can be translated into any combination of variable translucency, color cycling, and brush size. DPaint still only has a wimpy one level of undo—that's probably my biggest complaint.

PLAYING AROUND

The DPaint Player program has been totally revamped and is a joy to use. You can play an Anim directly from your hard disk, so your entire Anim does not have to fit in RAM anymore. The player also features an optional speedometer mouse pointer. There appears to be a little bug in getting it to operate, but the trick is to use the spacebar to stop and start playback. Using the menu or Amiga-P key-

continued on page 224

H-A-R-D-W-A-R-E

The Ultimate Choice

MATRIXSYS COMPUTER

LOOKING FOR QUALITY ??

SPECIAL THIS MONTH

UPGRADE TO

PENT. 100	$ 599
Inc. Intel Triton Chips - CPU - Built H-Speed I/O & Ctrl	
486DX4-100	$ 239

Computer Maintenance & Tune -Up'
For
ONLY $ 20

BASIC SYSTEMS

486DX2-66	$799
486DX4-100	$869
PENTIUM 90MHZ	$1159
PENTIUM 100MHZ	$1259

(Monitor Not Included)

256K Cache • 8MB RAM
1.4MBFDD • 560MB HD
PCI/VLB IDE . Card
PCI/VLB SVGA w/1M •
Mouse • 101 KB
MidTower Case

MULTI-MEDIA SYSTEMS

486DX2-80	$ 1499
486DX4-100	$ 1529
Pentium 90	$ 1799
Pentium 100	$ 1899
Pentium 133	$ 2599

256K Cache
8MB RAM
1.44 MB FDD
560MB HDD
Mouse
15" SVGA N.I.
Stealth w/ 1MB
101 KB

4X CDROM
Sound Blaster 16
Pair Speakers
14 Titles
14.4K Fax Modem
WinFax Lite
Comit
DOS 6.22 & Windows

Think Quality **COMPONENTS** Think Quality

486 VLB (SIS,256)w/o CPU	$115	Serial Mouse	$8
Pent. 75-133(Triton)w/o Cpu	229	*101 Keyboard*	18
560 MB Hard Drive (12ms)	169	VLB Enh. IDE Contrl.	19
1.2 GB Hard Drive	299	*VLB IDE Ctrl w/ BIOS*	45
1.44 MB Floppy (Teac)	35	VLB SVGA Card w/1MB	69
1.2 MB Floppy (Teac)	45	*PCI SVGA w/1MB*	69
Sony 55E CD-ROM D/Spin	110	PCI Enh. IDE Contrl.	28
SoundBlaster CD 16(OEM)	79	*Diamond 64 VLB w/2MB*	185
Quad Spd. CD-ROM	179	14" SVGA (.28 dp N.I)	195
14.4 Int. Fax/Modem	59	*14" SVGA Shamrock (.28)*	209
Mini Tower	39	14" SVGA Proton (.28)	215
Mid Tower	65	*15" SVGA Shamrock (.28)*	305
Speakers	12	17" Shamrock 1703 (.28)	559
30W Speakers	55	*17" Shamrock 1702 (.26)*	645
		17" Sham. 1702L (.26)	685

Please call us for estimate on upgrade or special system configuration

NEC AUTHORIZED SERVICE CENTER
7411 Garden Grove Blvd. Suite C
Garden Grove Ca 92641
Tel 714. 895. 3663
M-F: 9:30 AM to 6:00 PM • Sat: 11:00 AM to 3:00 PM

Price subject to change without notice. All prices quoted base on cash prices only. Not Responsible for any Typographical Errors.

S-O-F-T-W-A-R-E

Lowest Prices Anywhere!

C&G COMPUTER SOFTWARE OUTLET

7441 Garden Grove Blvd, K, Garden Grove, CA 92641

CD TITLES FROM $4.99 !

MS-DOS 6.22 UPGRADE	$24.99
WINDOWS 3.1	$49.99
QEMM 7.0	$19.99
IMAGE PALS	$19.99

IBM & MAC

OVER 1000 DIFFERENT TITLES!

- Games from $4.99 !
- Education from $4.99 !
- Shareware titles from $1.00 !

ADULT CD's from $12.99 !

"CLIP ART SPECIAL"
5500 IMAGES & 200 FONTS
3 CD'S $149.95 VALUE !
Only $19.99

Visit Our Store & Take An Extra 10% OFF With This Ad!

C&G COMPUTER SOFTWARE OUTLET

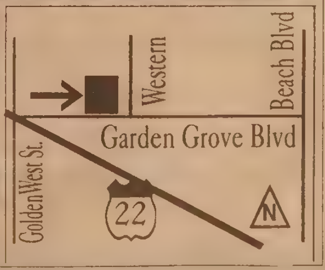
TEL: (714) 890-1581

STORE HOURS
Mon-Fri 10:00 AM-6:00 PM
Sat 10:00 AM-4:00 PM

VISA MasterCard

WE ALSO MAIL ORDER

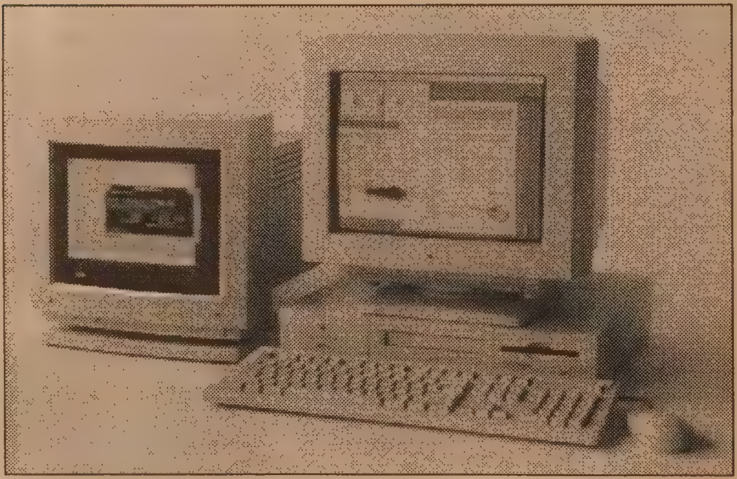
DEALER INQUIRIES WELCOME



PC Mac Does Windows Too

The Dual-Platform Macintosh

For an old MacPowerUser like me, learning DOS feels a bit like playing retro-chic. But the venerable command language OS is not without its charm, like reading *Beowulf* or Chaucer. And Windows...more on that next month.



Nobody's jumping ship here. I'm happily expanding my horizons with Apple's first hybrid configuration, the DOS Compatibility Card for Macintosh in a PowerPC 6100/60. You can also get the same functions fully preconfigured as the Power Macintosh 6100/66 DOS machine for $2759. The Apple DOS card will not fit in the 6100/AV or any other models than the 6100 at this time.

THE AMAZING TWO-HEADED TRANSPLANT

With both configurations, you can enjoy the miracle of parallel operating systems in one machine.

It took me less than fifteen minutes to install the DOS card into the 6100/60. The DOS card packs an Intel 486DX2/66 microprocessor and Sound Blaster 16-bit sound compatibility. The special cable connects the card to the Mac CPU, sprouts a PC game port, and allows you to add a second monitor. You can see the PC side either shared on the Mac's monitor or on a dedicated second monitor. The card's RAM can be upgraded by adding SIMMs. The package comes complete with the DOS 6.22 and Microsoft Windows 3.1 software, and it took less than twenty minutes to install and configure both operating systems.

Every time I hit the command and return keys, it seems like a minor miracle that the bright Mac menu bar fades into the inky C:> prompt world of DOS—and then back again at another tap. Not only that, but you don't have to quit out of anything. Both coprocessors are working independently. At last...true multitasking on the Mac!

You can also keep using the same mouse and keyboard for the Mac, the hard disk, CD-ROM drive, printer, modem, and most other peripherals, and, within limits, employ PC-compatible peripherals. You can copy and paste between Mac OS and PC documents and communicate with network servers and computers using PC software. For musicians, there's a whole range of PC sound applications that this card opens up—e.g., PLAYMIDI, Windows Mixer, Creative WaveStudio, and FM Intelligent Organ.

To test the configuration, I used a DOS game and a Windows productivity application, both on CD-ROMs. Id Software's DOOM is a good runner for DOS, with color, animation, action, response, several screen configuration adjustments, Sound Blaster compatibility, and saving game files. It may have been more sprightly on

BY TONY REVEAUX

When You Buy From USA Systems You Buy Quality

PCI Pentium CAD System

intel inside

- Intel Made Pentium Triton Zappa M/B
- 256K Async.
- 8MB EDO Memory (Upto 128MB)
- Quad Speed (4x) IDE CD-Rom
- Sound Blater 16 Vibra MCD
- 1.44 MB Floppy Drive
- PCI IDE with High Speed I/O
- 1.2GB Enhanced IDE Hard Drive
- Mini-Tower Case w/200 Power Case
- 64-Bit Diamond Stealth 64 w/2M Dram
- 15" CTX Super VGA N.I. Monitor .285dpi
- 101 Keys Enhanced Keyboard
- Mouse with Pad

PENTIUM 75Mhz $1973
PENTIUM 90Mhz $2073
PENTIUM100Mhz..........$2203
PENTIUM120Mhz..........$2508
PENTIUM 133Mhz.........$2728

MULTIMEDIA 4x BEST BUY

intel inside

- 16 MB (70ns) Ram & 256 Cache
- 1.44 MB Floppy Drive
- Quad Speed (4x) IDE CD-Rom
- Sound Blaster 16 Vibra MCD
- Amplified Speaker & CD Bundle
- PCI/VLB IDE with I/O (2s/1p/1g)
- Mini Tower Case w/200 W Power Supply
- 850 MB Hard Drive
- PCI/VLB Diamond Stealth 64 2M Dram
- 14" CTX Super VGA Monitor .28 dpi
- 101 Keys Enhanced Keyboard
- Mouse with Pad

486DX2-66Mhz VLB.........$1689
486DX4-100Mhz VLB $1789
PENTIUM75Mhz Zappa $1958
PENTIUM90Mhz Zappa $2035
PENTIUM100Mhz Zappa $2158

*** MOTHERBOARDS (W/O CPU) ***

***VLB:**

PC VLB486SX/DX 25-100Mhz/256K/3VLB/ZIF/4x30pin+2x72pin	95
SIS VLB 486SX/DX 25-100Mhz 256K/3VLB/ZIF/4x72pin	105

***PCI:**

PC PCI/VLB 486SX/DX 25-100Mhz/256K,72P	99
Triton Chip PCI/ISA P-75-100Mhz 256K(512K) Award Bios	210
*Intel Pentium Plato 75/90MHZ/256K/IDE+I/O	179
Intel Pentium Plato 100MHz/256K/IDE+I/O	255
*Intel Pentium Zappa 75/90/120Mhz Triton/256k Cache	245
Intel Pentium Endeavor 75-133Mhz w/256k Asyn Cache	330
Intel Endeavor 75-133Mhz w/256k Pipe Line Burst Cache	370
Asus P55P4 Pentium 75-100Mhz Triton 256k/IDE+IO	245
PCI EISA Pentium-90Mhz Dual CPU, 4PCI/4EISA	485

Microprocessor-CPU

Pentium 133Mhz CPU	975
Pentium 120Mhz CPU	765
Pentium 100Mhz CPU	435
Pentium 90Mhz CPU	345
Pentium 75Mhz CPU	255
Pentium 66Mhz CPU	245
Pentium 60Mhz CPU	215
Intel 486DX4-100Mhz CPU 3.3V	198
Intel 486DX2-66Mhz CPU	115
Intel 486DX-33Mhz CPU	105
Intel 486SX-33Mhz CPU	85
AMD486DX4-100Mhz CPU 3.3v	125
AMD486DX2-80Mhz CPU 3.3v	105
AMD486DX2-66Mhz CPU 3.3v	95
Pentium Cooling Fan	12
486 Cooling Fan	6

*** VIDEO CARDS ****

Trident 9000 SVGA 16BIT/1024X768/512K	35
Trident SVGA 8900-X 16BIT/1280X1024 /1MB	55
Cirrus Logic, 5428 VLB, 1MB/2MB DRAM	69/114
Diamond Stealth SE 1MB/2MB DRAM (OEM)	89/135
*Diamond Stealth 64 VLB, 1MB/2MB DRAM(OEM)	135/184
Diamond Stealth 64 VLB, 2MB/4MB VRAM (OEM)	275/415
Diamond Viper SE VLBP 2MB/4MB VRAM (OEM)	270/405
ATI Graphics Winboost VLB-64 1MB/2MB DRAM	149/189
ATI Graphics Winturbo VLB-64 2MB/4MB VRAM	265/465
Trident 9440 PCI 1MB/2MB DRAM	70/115
Diamond Stealth SE PCI, 1MB/2MB Dram	85/129
Diamond Stealth 64 Video PCI 1MB Dram	135
Diamond Stealth 64 PCI, 1MB/2MB Dram (OEM)	125/175
***Diamond Stealth 64 PCI 2MB Video Vram(OEM)**	**275**
Diamond Viper SE,2MB/4MB VRAM (OEM)	270/405
ATI Graphics Winboost PCI-64 1MB/2MB DRAM	139/179
ATI Graphics Winturbo PCI-64 2MB/4MB VRAM	255/395

*** CONTROLLER CARDS ***

IDE CTRL WITH IO(2H/2F/2S/P/G)	13
AT HIGH SPEED IO W/IDE (5100AT)	28
VLB HIGH SPEED IO W/ENHANED IDE (6100VL)	40
VLB ENHANCED IDEIO (SIS/GS)	23
VLB EHNANCED IDEIO (HOTEK/UMC)	19
VLB DTC2278D IDE/IO (MODE 4)	25
ADAPTEC 1542CF SCSI-II CTRL CARD(BARE)	175
ADAPTEC 1542CFK SCSI-II CTRL W/KITS	250
ADAPTEC 1542CFK plus Corel-designed SCSI software	295
ADAPTEC 2742TK EISA SCSI-II CTRL W/KITS	390
ADAPTEC 2742TK plus Corel-designed SCSI software	460
ADAPTEC 2842A VLB SCSI-II CTRL (BARE)	205
ADAPTEC 2842AK VLB SCSI-II CTRL W/KITS	235
ADAPTEC 2940 PCI SCSI-II CTRL (BARE)	195
*ADAPTEC 2940K PCI FSCSI-II CTRL W/KIT(Oem Pkg)	215
ADAPTEC 2940K PCI FSCSI-II CTRK W/KIT (Original Pkg)	295
ADAPTEC 2940WK PCI WIDE SCSI-II W/KIT (Oem Pkg)	285

*** I/O CARDS ***

AT I/0 2S/1P/1G	11
High speed AT IO (2s/p) 16c550 chips	6
PRINTER CARD	11
PRINTER CARD (UPTO 2 PORTS)	13
TWO PRINTER PORT CARD	19
RS-232 SERIAL CARD (2 Serial Ports)	12
4 PORT XENIX/UNIX SERIAL CARD	55
4 PORT XENIX/UNIV SERIAL CARD W/16550 CHIPS	95

*** FLOPPY DISK DRIVES ***

TEAC 1.2MB BEIGE	42
MITSUMI 1.2MB BEIGE	36
TEAC 1.44MB BEIGE WITH KITS	35
MITSUMI 1 44MB BEIGE WITH KITS	33
TEAC 2.8MB 3.5" FLOPPY DRIVE	90
TEAC 1.2&1.44 DUAL FLOPPY DRIVE	89

**** HARD DISK DRIVES ***

CONNER CFS420A 420MB/13ms/64K IDE	145
CONNER CFA540A 540MB/12ms/256K IDE	174
CONNER CFA850A 850MB/12ms/256K IDE-3	215
CONNER CFP1080S 1.06GB/9.5ms/512K F-SCSI-2	395
CONNER CFA1275A 1.2GB/12ms/256K E-IDE	280
CONNER CFP2105S 2.1GB/8.5ms/512K F-SCSI-2	765
CONNER CFP4207S 4GB/8.5ms/F-SCSI-2	1125
Maxtor 7540AV 540MB/12ms	175
Maxtor 7850AV 850MB/12ms	219
Maxtor 71260A 1.2GB/12ms	285
W.D. AC2540 540MB IDE	190
W.D. AC8500 850MB IDE	225
W.D. AC31200 1.22GB IDE	329
W.D. AC31600 1.6GB IDE	569
MICROPOLIS 4221/AV 2.0GB/8.5ms SCSI-2	919/1095
MICROPOLIS 1936 3.0GB/8.5ms SCSI-2	839
MICROPOLIS 3243/AV 4.03GB/8.5ms/3.5" SCSI-2	1395/1670
MICROPOLIS 1991/AV 9.0GB/8.5MS/SCSI-2	2188/2829
MICROPOLIS 4221W 2.0GB WIDE SCSI-2	1115
MICROPOLIS 3243W 4 03GB WIDE SCSI-2	1639

*** KEYBOARDS ***

MITSUMI 101K KEYBOARD	24
FOCUS 2001 101K KEYBOARD WITH DUST COVER	32
FOCUS 6000 102K KEYBOARD	26
FOCUS 8000 111K KEYBOARD W/CALCULATOR	40
FOCUS 9000 130K PROGRAMMABLE KB W/CALCULATOR	55
KEYTRONIC 2000 101K KEYBOARD	27
FUJITSU 4700 101K KEYBOARD	41
LITTON SK0002 101K KEYBOARD (HONEYWELL OEM)	33

**** MONITOR ****

KFC 9" 931MV MONO-VGA PAPER WHITE	145
BTC 14" MONO PAPER WHITE MONITOR	86
BTC 14" SVGA-MONO MONITOR	96
AcerView 14" 34T Non-interlaced Monitor .28dp	215
*CTX 14" 1451C SVGA 1024X768 .28DP,FULL SCREEN	225
*CTX 15" 1562GM SVGA FLAT SCREEN,N.I. .28DP	315
CTX 17" 1765GM .27DP SVGA FLAT SCREEN,N.I.	585
MAG 15" DX15F .28dp 1280x1024 MPR-II monitor	345
MAG 17" DX17F .26dp 1280x1024 MPR-II monitor	625
MAG 17" MXP17F Flat .26dp 1600x1280 MPR-II monitor	885
MAG 21" MX21F .28dp 1600x1280 MPR-II monitor	1599
*ViewSonic 6E 14" .28DP 1024x768 Energy Star Compliant	245
ViewSonic 15G 15" .28dp SVGA N.I.	395
ViewSonic 15ES 15" .28dp SVGA N.I.	346
ViewSonic 17GS 17" .28dp 1280x1024.	735
ViewSonic 17GA 17" 1280x1024 .27dp Built-in Speaker	835
ViewSonic 17PS 17" Digital 76Hz 1600x1280 .25dp	919
ViewSonic 20G 20" .28dp 1600x1280 N.I.,76Hz, MPR II	1232
ViewSonic 21PS 21" .25dp 1600x1280 N.I.,76Hz, Low Radiation,Flat	1595
NEC 15xv 15" .28dp SVGA Monitor	475
***NEC 15xe 15" .28dp 1024x768 76Hz**	**525**
NEC 15xp 15" .28dp 1024x768 76Hz	595
NEC 17xe 17" .28dp 1024x768 76Hz	985
Sony 17" 17FS 1280x1024 .25dp Trinitron Monitor	855

*** CASE AND POWER SUPPLIES ***

European Style Minitowe W/230W	40
European Style Mini-Medium Towe w/220W	47
European Style Desktop W/230W	49
European style Medium-Tower W/250W	60
European style Full-Tower w/250W	79
SUPER SERVER CASE W/300W 12BAYS,3FANS,DOOR (H/W/D-580X250X440mm, Black color also available)	375

*** PRINTERS ***

HP DESKJET 540 PRINTER	282
HP DESKJET 660C COLOR PRINTER	479
HP 700 FAX	555
HP OFFICE JET	775
HP DESKJET 1200C	1265
HP DESKJET 1200C PLUS	2043
HP LASERJET 4L/4ML WITH TONER	515/935
HP LASERJET 4+/4M+ WITH TONER	1365/1845
HP LASERJET 5P/5MP WITH TONER	869/1035
HP LASERJET 4V PRINTER W/TONER	1875
HP 4SI LASER PRINTER	2795
HP SCANJET IICX SCANNER	885

MULTI-MEDIA

***Sony 55E 2x Speed Internal IDE CD-Rom**	**105**
Sony CSD-76E 4x Speed Internal IDE CD-Rom	205
Sony CSD-76S 4x Speed Internal SCSI CD-Rom	295
Toshiba 36018 4.4x Speed Internal SCSI CD-Rom	315
***Mitsumi 4x Speed Internal IDE CD-Rom**	**185**
Teac Quad Speed (AT) CD-Rom (BARE)	175
Panasonic Quad Speed Internal IDE CD-Rom	175
Plextor 6x Speed Internal SCSI CD-Rom	565
CD-PAK MicroSoft PAK	45
CD-PAK WIN-WIN II	38
CD-PAK PREMIUM PAK	36
CD-PAK LEGEND PAK	36
CD-PAK DISCOVERY PAK	36
CD-PAK MEDIA-WONDER	36
***CREATIVE LAB SOUND BLASTER 16 Vibra (OEM)**	**77**
Creative Lab Sound Blaster 16 SCSI(OEM)	110
Creative Lab Sound Blaster AWE32 (32BIT) Value Edit	235
Creative Lab Sound Blaster AWE32 Full Version	275
Opti Sound Easy Pro16 16BIT Sound Card	65
Mini Stereo Speaker	8
80W Stereo Speaker	39
112W Stereo Speaker	49

** NETWORK PRODUCTS **

(ARCNET)

8/16BIT AUTO-SELECT,BNC STAR,BUS	36
16 BIT ARCNET,BNC+TP FOR TWISTED-PAIR CABLE	46

(HUB)

ARCNET 8 PORTS ACTIVE HUB,BUS/STAR,COAXIAL CABLE	99
ARCNET 8 PORTS ACTIVE HUB, TWISTED PAIR	140
ARCNET 4 PORTS PASSIVE HUB	11
ARCNET 4 PORTS ACTIVE HUB CARD,T.P	87
***8 PORTS ETHERNET HUB(BNC/8 RJ45)-STANDARD**	**145**
8 PORTS ETHERNET HUB(8RJ45+1BNC)-SMALL SIZE	119
12 PORTS ENET HUB (1BNC+1AUI+12TP(1 DEDICATE)	275
12 PORTS ENET HUB (1BNC+1AUI+12TP)	390
12 PORTS ENET HUB (1BNC+1AUI+12TP,STACKABLE)	680
16 PORTS (BNC/AUI/IEEE802.3/INT.PS/19"STANDARD)	279
16 PORTS ETHERNET CONCENTRATOR TW	375

(COAX)

***16BIT ENETCOMBO (RJ45/BNC)JUMPERLESS**	**34**
16BIT ENET (RJ45/BNC/AUI)	**39**
32BIT EISA ENET (AUI/BNC/TP) 3-IN-1 COMBO	**195**
32BIT VLB ENET (AUI/BNC/TP)	**195**
D-LINK PCI ENET W/BNC, 10BT & AUI PORTS	**145**
PCI ENET COMBO, JUMPERLESS	**105**
PCMCIA Ehernet Combo (for Notebook Computer)	**135**

(ARTISOFT)

ARTISOFT LANTASTIC/AI V 6.0 FOR DOS/WINDOWS	70
ARTISOFT LANTASTIC V6.0 5 USERS	305

(NOVELL) (OEM Version)

***NOVELL NETWARE 386 V.3.125 -USER**	**460**
***NOVELL NETWARE 386 V.3.12 10-USER**	**1050**
***NOVELL NETWARE 386 V.3.12 25-USER**	**1450**
NOVELL NETWARE 386 V.3.12 50-USER	**1650**
NOVELL NETWARE 386 V.3.12 100-USER	**2100**
NOVELL NETWARE 386 V.4.1 5 -USER OEM	460
NOVELL NETWARE 386 V4.1 10 -USER (CD-ROM)	1050
NOVELL NETWARE 386 V.4.1 25 -USER (CD-ROM)	1450
NOVELL NETWARE 386 V.4.1 50 -USER (CD-ROM)	1650
NOVELL NETWARE 386 V.4.1 100 -USER (CD-ROM)	call
NOVELL PERSONAL NETWARE V.1.0	45
NOVELL NETWARE LITE V.1.1	39
WINDOWS FOR WORKGROUP -full version	65
WINDOWS FOR WORKGROUP -Add-on version	55

(NETWORKING ACCESSORIES)

25 FT RG-58 CABLE WITH CONNECTOR	15
50 FT RG-58 CABLE WITH CONNECTOR	25
RG-58 T-CONNECTOR	2.5
RG-58 50 OHM TERMINATOR	3

MISCELLANEOUS

MOUSE:

LOGITECH MOUSEMAN SERIAL	49
LOGITECH MOUSEMAN PS/2 VERSION	49
A4 MOUSE SERIAL 3 BUTTONS/PAD	12
MICROSOFT SERIAL MOUSE (OEM pak)	35
MICROSOFT BUS MOUSE (OEM pak)	55

FAX MODEM:

(SMARTLINK)

2400bps with IRQ 2,3,4,5 Dip-switch settings	29
9600SR/2400 FAX MODEM INTERNAL	45
9600SR/2400 Fax/Data Modem with Voice Mail	65
14.4SR V.17/14.4 V.32BIS/V 42BIS/MNP5 Fax Modem	125
14.4SR V.17/14.4 V32BIS/V.32/V.42BIS/MNP5, Fax Modem	75
14.4SR V.17/14.4 V.32BIS/V.32/V.42BIS/MNP 5 MODEM, UPGRADEABLE TO 19.2KBPS,16550UART,AT&T CHIPEXTERNAL TYPE,SPEC AS 1914BAT BUT UPGRADABLE TO 19.2KPS	145
POCKET 14.4SR FAX V.17/14.4 V.32BIS/V 32/V.42BIS/MNP5 MODEM	159
28.8 INTERNAL/EXTERNAL FAX MODEM	198/218
US Robotics Sportster 14.4 Fax/Data Modem Int/Ext.	105/135
US Robotics Sportster 28.8 Fax/Data Modem Int/Ext.	215/245

TAPE BACK-UP:

Colorado Trakker 120MB Ext. Tape Backup	220
Colorado Trakker 250MB Ext. Tape Backup	285
Colorado Trakker 350MB Ext. Tape Backup	325
Colorado DJ-10 120MB Int. Tape Backup	125
Colorado DJ-20 250MB Int. Tape Backup (OEM)	160
Colorado DJ-35C 350MB Int. Tape Backup	185
Colorado DJ-50 1.4GB Int. Tape Backup	335
Colorado Travan T1000 800MB Compressed Int. Tape Backup	195
Conner 850MB Int/Ext. Tape Backup	279/409
Conner 4GB SCSI Internal Tape Drive with one tape	525
Colorado PT-10 Power Tape 1.0GB Int. SCSI Tape Drive	608
Cartridge for PT10	35
Colorado PT-25/25E Power Tape 2.0GB Backup Int./Ext	949/1099
Colorado PT-50/50E Power Tape 4.0GB Backup Int./Ext.	1179/1399
Cartridge for PT50(E)	45
Colorado PD-60 DAT 6000 4GB Int. Tape Backup	1179
DC-2000 40/80MB/120MB Mini Data Cartridge(Preformatted)	16
DC-2120 60/120/250MB Mini Data Cartridge(Preformatted)	18

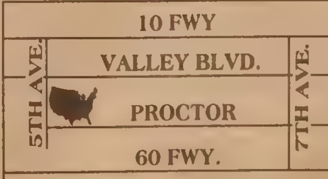
Volume order discount available. Call us now !!
Price, specifications and availability are subject to change without notice. Brand names are registered trademarks of their respective companies.

Our prices reflect a 3% cash discount. Discount does not apply to credit card purchases.
All Systems Come With One Year Parts and Labor Warranty.

USA SYSTEMS

210 S. 5th Ave., City of Industry, CA 91746
Tel. (818) 336-6366
Fax (818) 336-7996
Dealers Welcome · Additional Discounts Available

VISA MasterCard AMERICAN EXPRESS UPS



Price, specifications and availability are subject to change without notice. Brand names are registered trademarks of their respective companies.

PC MAC DOES WINDOWS TOO *continued...*

a souped-up 486 with more RAM, but in every respect it was a successful alien abduction of a Macintosh screen.

3D Landscape from Books That Work involves just about every function of a productivity application. It has text files, sound, color, and very demanding 3D animation, both real time and playback. You are able to configure tables such as a materials estimator, and design lots with sun charts and seasonal change, all in rotatable 3D. Again, the refresh rate on the redrawing would probably be zippier with more RAM on the card, but this Windows CD was totally accessible and operative on my Mac.

TRUE COMPATIBILITIES

There may be a Mac in DOS card for PC platforms emerging from the newly liberated clone manufacturers sometime in the future, but I certainly haven't heard any rumors to that effect. So the only way to go for a real hybrid machine is with Apple's DOS in Mac solution and from other third-party vendors.

Orange Micro offers a wide variety of DOS cards which will fit in several NuBus models of the Mac, including Duo Docks, 7100s and 8100s, which opens them up for serious desktop video and multimedia applications. Orange presents several flavors of Intel coprocessors, memory, and connectivity interfaces, ranging from about $800 to $3000. Reply Corp.'s DOS on Mac cards cost from about $500 to $800, come in either a 486DX2/50 or /66-OMB, and with up to 16MB of RAM. And, they may even include DOOM.

Apple emphasizes that its product is a DOS *compatibility* card. It's amazing how virtual-PC a performance they squeeze out of it. But for some functions and applications, all the PC hardware pieces are simply not there. There is no parallel port for using some PC peripherals. The Mac mouse tracks perfectly for Windows, with ways of working around one-button vs. three-button commands. But there is no mouse driver that can work in this DOS (sorry DOOMers) because the route through the Mac buses is too circuitous. If you need millions of colors and a screen resolution of 1024 x 768, it can't supply the VRAM to back it up. You should look into the other vendors' offerings.

This DOS card is just Apple's first venture into hybridhood. There are more internal cross-platform solutions coming through the Cupertino pipeline.

> Why hasn't there been more interest in hybrid Mac machines? Part of the answer may be that the "two cultures" mindset still rules most of the homes and offices of America. You're either in a Mac shop or a PC precinct, and the twain do not meet, nor share recipes around the water cooler.

TOWARD A UNIFIED-PLATFORM WORLD

It's been seven years since Orange's first DOS in Mac board hit the streets, and it worked fine then. Why hasn't there been more interest in hybrid Mac machines? Part of the answer may be that the "two cultures" mindset still rules most of the homes and offices of America. You're either in a Mac shop or a PC precinct and the twain do not meet nor share recipes around the water cooler.

There are four good reasons why a hybrid Mac is a stellar solution to some of the strongest trends in desktop computer usage: multimedia playback, home office, multimedia production, and the proliferation of mixed-platform work sites.

Seven years ago was before the success of the CD-ROM multimedia explosion. Now that there is an established, installed user base of players and a growing audience for the 10,000 or so CD titles published in a year, computer owners are looking to CD-ROMs to satisfy a wider range of interests. No matter what topic you seek, you will find a growing number of titles that are hybrid, compatible with Mac and DOS/Windows on the same disk. But just as often, there will be titles of interest spinning on the other side of the format fence.

The Windows user who wants Laurie Anderson's *Puppet Motel* from Voyager and the Mac user who wants the how-to *3D Deck* from Books That Work are equally frustrated campers. For active users, families, libraries, and offices, the DOS in Mac 6100 with a CD-ROM drive is an ideal platform for viewing and using any title.

One frequently heard concern comes from those computer buyers who may prefer to use a Macintosh in the home, but would also like to be able to bring back work from a DOS- or Windows-dominated office. A variety of software-based workarounds have supported these relationships over the years. The weakness of that structure is that everything is more time consuming, and while it may be possible to do a fair amount of reviewing and editing, it is usually not possible to author documents there for the DOS side. A hybrid Mac is an ideal solution, and far less expensive than the two-machine two-desktop outlay.

In multimedia production, a great many titles are developed on the Mac and then released first on Windows. PC-based developers will need to work on fully configured high-

continued on page 232

RESOURCES:

Apple Computer, Inc.
One Infinite Loop
Cupertino, CA 95014
(408)996-1010

Orange Micro, Inc.
1400 N. Lakeview Ave.
Anaheim, CA 92907
(714)779-2772

Reply Corporation
4435 Fortran Dr.
San Jose, CA 95134
(408)942-4804

Id Software
Mesquite, TX

Books That Work
2300 Geng Rd.
Bldg. 3, Ste. 100
Palo Alto, CA 94303

Sybex
2021 Challenger Dr.
Alameda, CA 94501

Alpha Books
Macmillan Computer Publishing
201 W. 103rd St.
Indianapolis, IN 46290

Brady Publishing
201 W. 103rd St.
Indianapolis, IN 46290

Symphony COMPUTERS

9620 E. Las Tunas Dr.
Temple City, CA 91780
(818) 309-9672

FULLY FEATURED • UNDERPRICED!

▷ ▶ NOT THE OTHER WAY AROUND ◀ ◁

Financing Available

90 DAYS SAME AS CASH

Lifetime Labor & 2 Years limited Parts Warranty*

Prices, Specifications, Terms & Conditions are subject to change without notice. Not responsible for Typographic errors.

*Call store for complete details.

INFINITY 2000
IBM VESA 486-66 SERIES

- ◆ 486 IBM Vesa Local Bus MotherBoard
- ◆ Math Coprocessor Built In
- ◆ **4MB** RAM
- ◆ NEC 1.4MB Drive
- ◆ **270MB** IDE HardDrive
- ◆ 32 Bits VLB Windows Accelerator w/1MB
- ◆ 32Bits VLB IDE Controller w/2S/1P/1G
- ◆ **14" SVGA Color Monitor**
- ◆ Mini Tower Case w/Power Supply
- ◆ 101 Enhanced Key Board
- ✷ *Free mouse & pad*

SPECIAL

SPECIAL $778

♦ Dos 6.22 & Windows 3.11 Package.......Add $75

INFINITY 2000
VESA LOCAL BUS V2 SERIES

- ◆ 486 Vesa Local Bus MotherBoard (3 Vesa Slots)
- ◆ Pentium Overdrive P24T socket ready
- ◆ Math Coprocessor Built In
- ◆ 256K Ultrafast write back cache
- ◆ **4MB** RAM (72-PINS Installed)
- ◆ NEC 1.4MB Drive
- ◆ **540MB IDE Hard Drive**
- ◆ 32Bits VLB Windows Accelerator w/1MB
- ◆ 32Bits VLB IDE Controller w/2S/1P/1G
- ◆ **14" Non-Interlaced SVGA Color Monitor .28**
- ◆ Deluxe Mid Tower Case w/230W Power Supply
- ◆ 101 Enhanced Key Board

Free mouse & pad

	INTEL DX2-66	AMD DX4-100	INTEL DX4-100
SPECIAL	$798	$818	$878

♦ Dos 6.22 & Windows 3.11 Package.......Add $75

INFINITY 2000
PENTIUM PCI SERIES

- ◆ Pentium PCI Motherboard
- ◆ **INTEL TRITON CHIPSET**
- ◆ **INTEL PENTIUM PROCESSOR**
- ◆ 256K Ultrafast write back cache
- ◆ **8MB** RAM exp. to 128MB
- ◆ NEC 1.4MB Drive
- ◆ **540MB** IDE HardDrive
- ◆ PCI Enhanced IDE HDD Controller
- ◆ **Diamond Stealth 64 PCI Windows Accelerator w/1MB**
- ◆ **14" Non-Interlaced SVGA Color Monitor .28**
- ◆ Mid Tower Case w/Power Supply
- ◆ 101 Enhanced Keyboard

Free mouse & pad

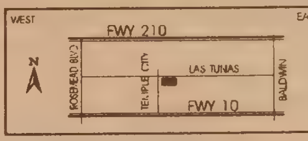
	75MHz	90MHz	100MHz
SPECIAL	$1268	$1368	$1468

♦ Dos 6.22 & Windows 3.11 Package.......Add $75

INFINITY 2000 Authorized Dealers

Santa Clara • Los Angeles • San Diego

Symphony COMPUTERS



SOUTHERN CALIFORNIA LOCATION
9620 E. LAS TUNAS DRIVE TEMPLE CITY CA 91780
TEL: (818) 309-9672 FAX: (818) 309-7579
MON-FRI. 9:00AM - 6:00PM
SATURDAY: 10:00AM 6:00PM
SUNDAY CLOSE

NORTHERN CALIFORNIA LOCATION
3460 EDWARD AVE. SANTA CLARA, CA 95054

INFINITY 2000
MULTIMEDIA LOCAL BUS M2 SERIES

- ◆ 486 Vesa Local Bus MotherBoard (3 vesa slots)
- ◆ Pentium Overdrive P24T support
- ◆ Math Coprocessor Built In
- ◆ 256K Ultrafast write back cache
- ◆ **4MB** RAM **(72-PINS Installed)**
- ◆ NEC 1.4MB Drive
- ◆ **540MB** IDE Hard Drive
- ◆ 32Bits VLB Windows Accelerator w/1MB
- ◆ 32Bits VLB IDE Controller w/2S/1P/1G
- ◆ **14"** Non-Interlaced SVGA Color Monitor .28
- ◆ Deluxe Mid Tower Case w/230W Power Supply
- ◆ 101 Enhanced Key Board
- ◆ PANASONIC CD-ROM (Double Speed)
  Sound Blaster 16 compatible w/160W Speakers
- ✷ *Free 14 CD Titles (Encyclopedia, U.S. & World Atlas, Chessmaster, & Popular Challenge Pak)*

Free mouse & pad

	INTEL DX2-66	AMD DX4-100	INTEL DX4-100
SPECIAL	$998	$1018	$1078

♦ Dos 6.22 & Windows 3.11 Package.......Add $75

INFINITY 2000
MULTIMEDIA ACTION-G SERIES

- ◆ 486 Vesa Local Bus MotherBoard (3 vesa slots)
- ◆ Pentium Overdrive P24T support
- ◆ Math Coprocessor Built In
- ◆ 256K Ultrafast write back cache
- ◆ **8MB** RAM **(72-PINS Installed)**
- ◆ NEC 1.4MB Drive
- ◆ **540MB** IDE Hard Drive
- ◆ 32Bits VLB Windows Accelerator w/1MB
- ◆ 32Bits VLB IDE Controller w/2S/1P/1G
- ◆ **15"** *Non-Interlaced SVGA Color Monitor .28*
- ◆ Deluxe Mid Tower Case w/230W Power Supply
- ◆ 101 Enhanced Key Board
- ◆ PANASONIC CD-ROM (Double Speed)
  Sound Blaster 16 compatible w/160W Speakers
- ✷ *Free 14 CD Titles (Encyclopedia, U.S. & World Atlas, Chessmaster, & Popular Challenge Pak)*

Free mouse & pad

	INTEL DX2-66	AMD DX4-100	INTEL DX4-100
SPECIAL	$1198	$1218	$1278

♦ Dos 6.22 & Windows 3.11 Package.......Add $75

INFINITY 2000
MULTIMEDIA 4X SERIES

- ◆ 486 Vesa Local Bus MotherBoard (3 vesa slots)
- ◆ Pentium Overdrive P24T support
- ◆ Math Coprocessor Built In
- ◆ 256K Ultrafast write back cache
- ◆ **8MB** RAM **(72-PINS Installed)**
- ◆ NEC 1.4MB Drive
- ◆ **540MB** IDE Hard Drive
- ◆ 32Bits VLB Windows Accelerator w/1MB
- ◆ 32Bits VLB IDE Controller w/2S/1P/1G
- ◆ **15"** *Non-Interlaced SVGA Color Monitor .28*
- ◆ Deluxe Mid Tower Case w/230W Power Supply
- ◆ 101 Enhanced Key Board
- ◆ TEAC CD-ROM (Quad Speed)
  Creative Vibra 16 MCD w/160W Speakers
- ✷ *Free 14 CD Titles (Encyclopedia, U.S. & World Atlas, Chessmaster, & Popular Challenge Pak)*

Free mouse & pad

	INTEL DX2-66	AMD DX4-100	INTEL DX4-100
SPECIAL	$1298	$1318	$1378

♦ Dos 6.22 & Windows 3.11 Package.......Add $75

INFINITY 2000
MULTIMEDIA ADVANCED SERIES

- ◆ Pentium PCI Motherboard
- ◆ **INTEL TRITON CHIPSET**
- ◆ **INTEL PENTIUM PROCESSOR**
- ◆ 256K Ultrafast write back cache
- ◆ **8MB** RAM exp. to 128MB
- ◆ NEC 1.4MB Drive
- ◆ **540MB** IDE HardDrive
- ◆ PCI Enhanced IDE HDD Controller
- ◆ ***Diamond Stealth 64 PCI Windows Accelerator w/1MB***
- ◆ **15"** *Non-Interlaced SVGA Color Monitor .28*
- ◆ Mid Tower Case w/Power Supply
- ◆ 101 Enhanced Keyboard
- ◆ **TEAC CD-ROM (Quad Speed)**
  Creative Vibra 16 MCD w/160W Speakers
- ★ *Free mouse & pad*
- ✷ *Free 14 CD Titles (Encyclopedia, U.S. & World Atlas, Chessmaster, & Popular Challenge Pak)*

pentium

	75MHz	90MHz	100MHz
SPECIAL	$1548	$1648	$1748

♦ Dos 6.22 & Windows 3.11 Package.......Add $75

INFINITY 2000
PENMEDIA SERIES

- ◆ Pentium PCI Motherboard
- ◆ **INTEL TRITON CHIPSET**
- ◆ **INTEL PENTIUM PROCESSOR**
- ◆ 256K Ultrafast write back cache
- ◆ **8MB** RAM exp. to 128MB
- ◆ NEC 1.4MB Drive
- ◆ **850MB** IDE HardDrive
- ◆ PCI Enhanced IDE HDD Controller
- ◆ ***Diamond Stealth 64 PCI Windows Accelerator w/1MB***
- ◆ **15"** *Non-Interlaced SVGA Color Monitor .28*
- ◆ Mid Tower Case w/Power Supply
- ◆ 101 Enhanced Keyboard
- ◆ TEAC CD-ROM (Quad Speed)
  Creative Vibra 16 MCD w/160W Speakers
- ★ *Free mouse & pad*
- ✷ *Free 14 CD Titles (Encyclopedia, U.S. & World Atlas, Chessmaster, & Popular Challenge Pak)*

pentium

	75MHz	90MHz	100MHz
SPECIAL	$1598	$1698	$1798

♦ Dos 6.22 & Windows 3.11 Package.......Add $75

FLOPPY DRIVE

NEC 1.44MB Floppy Drive

$ 29

MPEG CARD

Able to play Video CD, Karaoke, CD-I, music videos or feature length movies

$ 155

CD-ROM

Teac 4X CD-ROM & Cont.

$ 165

HARD DRIVE

WESTERN DIGITAL 1.2 GB IDE Hard Drive

$ 299

PENTIUM M/B & CPU

Intel Triton Chipset Mother-board w/CPU & Cooling Fan

75MHz	90MHz	100MHz
$405	$505	$605

MONITOR

17" SVGA Non-Interlaced .28 Monitor

$ 545

CASE

Mini Tower Case w/230W Power Supply

$ 36

VIDEO CARD

Diamond Stealth PCI w/2MB DRAM

$ 155

SPEAKERS

160W Stereo Speakers (2 Channels, Magnetically Shielded)

$ 37

INFINITY 2000
MULTIMEDIA PENTIUM PYTHON SERIES

- ◆ Pentium PCI Motherboard
- ◆ **INTEL TRITON CHIPSET**
- ◆ **INTEL PENTIUM PROCESSOR**
- ◆ 256K Ultrafast write back cache
- ◆ **8MB** RAM exp. to 128MB
- ◆ NEC 1.4MB Drive
- ◆ **1.2GB Enhanced IDE Hard Drive**
- ◆ PCI Enhanced IDE HDD Controller
- ◆ **17"** *Non-Interlaced SVGA Color Monitor .28*
- ◆ ***Diamond Stealth 64 PCI Windows Accelerator w/2MB***
- ◆ Mid Tower Case w/Power Supply
- ◆ 101 Enhanced Keyboard
- ◆ TEAC CD-ROM (QUAD SPEED)
  Creative Vibra 16 MCD w/160W Speakers
- ★ *Free mouse & pad*
- ✷ *Free 14 CD Titles (Encyclopedia, U.S. & World Atlas, Chessmaster, & Popular Challenge Pak)*

pentium

	75MHz	90MHz	100MHz
SPECIAL	$1998	$2098	$2198

♦ Dos 6.22 & Windows 3.11 Package...... Add $75

GENISYS MICRO

Genisys

20425 E. Valley Blvd., Walnut, CA 91789 • Tel: (909) 598-2828 Fax: (909) 598-5748

Genisys Pentium 75MHz PCI "Mustang"

- Pentium-75MHz PCI System
- 8MB RAM and 256K Cache Installed
- Med Tower Case with Power Supply (H)
- 101-Key Enhanced Keyboard
- **15"FS SuperVGA Monitor (.28,1280x1024)**
- **Diamond Stealth PCI 1MB DRAM**
- PCI Hard Drive & Floppy Controller
- 2-UART 16C550 Hi-Speed Serial Ports
- 1-Parallel & 1-Game Ports
- 850MB IDE Hard Drive
- 3.5" 1.44MB Floppy Drive
- High Resolution Serial Mouse
- **4X CD ROM Drive**
- **Creative Labs Sound Blaster 16**
- **14-Watt Amplified Speakers**
- **Grolier Multi Media Encyclopedia**
- **Free CD Titles: See Above**

Free Upgrade to 21CD Titles: Ency., US/ World Atlas, Chess Master 4000, Teaches Typing, & 16 Games with this Configuration

Genisys

Unbeatable Price

$1550

Limited Qty at this Price

Upgrade Special

90/100/120MHz System	*Enquire*
Intel Triton Chip Set Main Board	*Add $35*
1GByte IDE H/D Upgrade	*Add $70*
8MB to 16MB	*Add $265*
15" to MAG 17 / Shamrock 17"	*Add$300/250*
15" to ViewSonic 17GS	*Add $420*

Genisys Pentium PCI System

- Pentium-60 or 75MHz PCI System
- 8MB RAM
- Med Tower Case with P/S (H)
- 101-Key Enhanced Keyboard
- 14" SVGA N/I Monitor (.28)
- PCI 1MB SVGA Accelerator
- PCI HD/FD Controller
- 2-Serial, 1-Parallel & 1-Game
- 540MB IDE Hard Drive
- 3.5" 1.44MB Floppy Drive
- High Resolution Serial Mouse

Pentium 60 - $1055

Pentium 75 - $1155

90/100MHz Available

Multi Media Upgrade Options

21-CD Titles: Ency.,US/World Atlas, Chess Master 4000, Typing, 16-Game, 14-Watt Speakers, 16-Bit Sound Card

w/Dual Speed (2X) CD ROM	*Add $170*
w/Quad Speed (4X) CD ROM	*Add $250*

ПОСЫЛАЕМ КОМПЪЮТЕРЫ В ПРИБАЛЬТИКУ И В СТРАНЫ СНГ

Note: International Quantity Purchases - we can drop ship to Eastern Bloc Locations and Russia.

MAIN BOARDS

386 ISA W/CPU	
386SX-40 w/CPU	[illegible]
386DX-40 w/128K Cache w/CPU	[illegible]
486SLC33MHz w/CPU 0K Cache	[illegible]

486 VLB / PCI w/o CPU	
IBM VLB 486SLC2-66 w/Math Coprocessor 128K/256K Cache 30pin	$150/180
Blue Lightning IBM SLC-75 w/256K cache Built-in IDE & Hi-Speed I/O (UART) 72-Pin	$185
UMC 486PCI 256K Cache w/IDE on Board	$105
UMC 486 PCI 256K Cache w/IDE &Hi-Speed I/O (72P)	$135
Green 486SX/DX VLB+128K Cache (30/72P)	$83
Green 486SX/DX/DX2/DX4 (3.3/5.0V) VLB+256K Cache ZiF 72-Pin Only	$99
ZiF(30/72Pin)	$95
VEGA 486VLB+256K Cache ZiF (72pin) (USA)	$145
**Please specify 3.3V or 5V selectable Motherboard*	

PENTIUM w/o CPU	
Intel "Neptune" 90/100 PCI w/256K	[illegible]
Intel "Triton" 75~120MHz w/IDE/Hi-Speed I/O (UART)	[illegible]
P5-60/66 PCI w/256K Cache	[illegible]
Opti P5-75/90/100 PCI + VLB w/256K Cache	[illegible]
Opti Viper P5-75-133 PCI w/IDE + Hi-Speed I/O (Uart)	[illegible]
SIS P5-75/90/100 PCI (256K Cache)	[illegible]
SIS P5-75/90/100 PCI (256K Cache) w/IDE	[illegible]
UMC P5-75~120 PCI w/IDE/Hi-Sp I/O (256K Cache)	[illegible]

CPUs & MEMORYs AVAILABLE
PLEASE CALL FOR LATEST PRICE

CASES w/ POWER SUPPLY

Desktop w/230W (6.5x16.75x17.25")	[illegible]
Mini Tower w/200W (12x16x7.25")	[illegible]
Mini Tower w/230W, Digital (12x16x7.25")	[illegible]
Med Tower H1/H2 w/230W, Digital (15x16x7.25")	[illegible]
Med Tower w/230W,Digital (6.5x16.75x17.25")	[illegible]
Full Tower (Compact) w/265W, Dig. (20x17x6.5")	[illegible]
Full Tower w/250W, Digital (24.5x17x7.5")	[illegible]
Full Tower w/250W Digital, Display, w/2Fans	[illegible]
Super Tower (File Server) 2 Fans/10 Bays/300W/Wheels	[illegible]

BLACK CASES	
Mini Tower w/230W p/s & dig. disp. (*qty 20+ $42)	[illegible]
Med Tower H1/H2 w/230W, Digital (15x16x7.25")	[illegible]
Med Tower w/230W p/s & dig. disp. (*qty 20+$65)	[illegible]
Full Tower w/250W p/s & dig. disp. (*qty 20+ call)	[illegible]
Super Tower (File Server) 2 Fans/10 Bays/300W/Wheels (Limited Quantity)	[illegible]

KEYBOARDS

BTC 101 Enhance (55 Series)	$13
Keytronic 101 KT2000 (USA)	[illegible]
Fujitsu 4700 101	[illegible]
Focus 2001 w/Dust Cover	[illegible]
Focus 6200 w/Cover	[illegible]
Focus 8000 111 Keys w/Calculator (Soft)	[illegible]
Focus 7000 103 Keys w/Trackball (New Model)	[illegible]
Focus 9000 128 Keys w/Calculator	[illegible]
BLACK KME 101 Enh. K/B	[illegible]

MONITORS

ViewSonic®

AUTHORIZED DEALER

14" 14ES SVGA NI (.28dp, 1024x768) LR	[illegible]
15" 15ES SVGA NI (.28dp, 1024x768 77Hz)	[illegible]
15" 15G SVGA NI (.28dp, 1280x1024)	[illegible]
15" 15GS SVGA NI (.28dp, 1280x1024)	[illegible]
15" 15GA SVGA NI (Multimedia, 1280x1024)	[illegible]
17" 17E SVGA NI (.28dp 1280x1024)	[illegible]
17" 17GS SVGA NI (Multi-Freq, .27dp 1280x1024)	[illegible]
17" 17GA SVGA NI (Multimedia, 1280x1024)	[illegible]
17" 17 SVGA NI (.27dp, Digital 76Hz 1600X1280)	[illegible]
20" 20G SVGA NI (.28dp Dig.)	[illegible]
21" 21PS SVGA NI (.28dp, Dig., 76Hz)	[illegible]

New ViewSonic Models Available !!!

ARCUS / DIGIVIEW / MGC [illegible]	Beige	Black
14" 1488A (I) (.39 SVGA 1024x768)	$175	
14" 1488 SVGA I (.28 1024x768) E2E	$190	$235
14" 1458 SVGA NI (.28 1024x768) E2E	$205	$250
15" 1588 SVGA NI (.28 1280x1024) F/S Dig	$295	$335

CTX [illegible]	
1451C 14" NI (1024x768 .28)	$220
1562GM 15" (NI .28 1024x768 75Hz LR)	$295
1565GM 15" (NI .28 1024x768, Dig)	$315
1765GM 17" Digital NI (1280x1024 .28)	$570
1785GM 17" Digital NI	$630

MAG INNOVISION	
15" DX15F (.28, 1280x1024)	$339
17" DX17F (.26, 1280x1024)	$599

SHAMROCK	
14" 1452 SVGA NI (1024x768 .28)	$210
1502 15" FST SVGA NI (1280x1024, .28) (Digital)	$299
1703 17" FST SVGA NI (1280x1024, .28) (Digital)	$555

TTL MONO / VGA MONO	
BTC 12" Amber TTL Mono (9-Pin)	$75
14" TTL Mono PW (9-Pin)	$79
14" Mono (B&W) VGA (15-Pin)	$95
14" Mono (B&W) SVGA (15-Pin)	$99

VIDEO DISPLAY

16bit 256K VGA	$21.50
Trident 9000 SVGA w/512K 1024x768	[illegible]
Trident 8900 SVGA w/1MB 1024x768	[illegible]
Trident 9440 VLB (1MB)	[illegible]
Trident 9440 PCI (1MB)	[illegible]
Cirrus Logic 5429 1MB VLB Accel(exp. 2MB)	[illegible]
S3 (Stealth 24 compt.) VLB 1MB Accel	[illegible]
Mono Graphic w/Printer port	[illegible]

DIAMOND COMPUTER	
Stealth SE VLB w/1MB	[illegible]
Stealth 64 VLB 1MB/2MB DRAM	[illegible]
Stealth 64 VLB 2MB VRAM (64 Video)	[illegible]
Viper VLB 2MB	[illegible]
Stealth 32 PCI	[illegible]
Stealth SE PCI w/1MB	[illegible]
Stealth 64 PCI 1MB/2MB DRAM	[illegible]
Stealth 64 PCI 1MB/2MB DRAM (64 Video)	[illegible]
Stealth 64 PCI 2MB/4MB VRAM (64 Video)	[illegible]
Viper PCI 2MB	[illegible]
ATI Mach 64 PCI 4MB VRAM (*Special*)	[illegible]
#9 Motion 771X PCI 4MB VRAM	[illegible]

H/F CONTROLLERS / IO

ISA Bus	
ISA IDE 2H/2F w/AT I/O (Qty 20+ $10)	[illegible]
ISA IDE 2H/2F w/Hi-Speed I/O (UART 16C550)	[illegible]
Printer Card	[illegible]

Vesa Local Bus	
VLB Enhance IDE w/I/O (4HD or 2H/2CD)	[illegible]
VLB Enhance Super IDE w/Hi-Speed I/O & Bi-Directional Parallel Ports. 4HD(2IDE HD/2CD ROM)	[illegible]

PCI Bus	
PCI IDE (Hard Drive Only) (Qty 20+ $15)	[illegible]
PCI IDE HD/FD + Hi-Speed I/O	[illegible]
PCI SCSI Ctrl (NCR 810)	[illegible]
Promise ISA IDE w/512K (exp. 8.5MB)	[illegible]
Promise 4030 VLB IDE Cache(exp. 16MB)	[illegible]
Promise 5030 PCI Cache (0K)	[illegible]
Adaptec 1522 ISA SCSI / 1522K w/Kit	[illegible]
Adaptec 1542C/1542CK+ ISA SCSIw/Kit	[illegible]
Adaptec 2842 VLB SCSI H/F w/o Kit / w/Kit	[illegible]
Adaptec 2940 PCI SCSI Ctrl / 2940 PCI w/Kit	[illegible]
Adaptec 2940W PCI Wide SCSI w/o Kit	[illegible]
Adaptec 2940W PCI Wide SCSI w/ Kit	[illegible]

MINIMUM ORDER $300 OR QTY 10+. CALL FOR DEALER QTY DISCOUNTS AND OTHER PRODUCTS (CPU's, RAM, PS., ETC) PRICE.

TERMS.1 (one) year warranty on parts & labor. Printers & monitors warranty thru manufacturer. All sales on RAM/CPU's, MONITORS & PRINTERS are final NO REFUND! All returns are subjected to our approval & must have prior authorization Return items must be in good condition & in its original packing shipped prepaid & insured. All refunds or credits are less freight & bank charges All refund items must be returned within 14 days of invoice. There will be a restocking charge of 20% after the 7 days period & within 30 days of invoice Not responsible for any typographical errors Price & availability subject to change without any notice. Prices are COD cash / cashiers check.

CONCEPTS INT'L

20425 E. Valley Blvd., Walnut, CA 91789 • Tel: (909) 598-2828 Fax: (909) 598-5748

Genisys

Genisys Multi Media System

- 486DX2-66 VLB Multi Media System
- 4 MB RAM
- Med Tower Case with P/S (H)
- 101-Key Enhanced Keyboard
- 14" SVGA N/I Monitor (.28)
- VLB 1MB SVGA
- VLB Enhance HD/FD Controller
- 2-Serial, 1-Parallel & 1-Game
- 420MB IDE Hard Drive
- 3.5" 1.44MB Floppy Drive
- High Resolution Serial Mouse
- 2X CD ROM Drive
- SB Compatible 16-Bit Sound Card
- 4-Watt Stereo Speakers
- Grolier Multi Media Encyclopedia

Colt 66 Multi Media

$929

(DX2-80&DX4-100 Available)

System available in Black

Summer *special add on !!

14.4 Internal Fax/Data/Voice Modem .... Add $60
& get 21-CD Titles free (for Colt Multi Media Only)

Genisys 486DX2-66 VLB

- 486DX2-66 VLB, 4MB RAM
- Mini Tower Case with P/S (H)
- 101-Key Enhanced Keyboard
- 14" SVGA N/I Monitor (.28)
- VLB 1MB SVGA Adaptor
- VLB HD/FD Cntrl, 2S/1P/1G
- 420MB H/D & 1.44MB F/D
- High Resolution Serial Mouse

$799

Genisys "Work Horse"

- 486SLC-33, 2MB RAM
- Mini Tower Case
- 101-Key Enhanced Keyboard
- 14" SVGA Monitor (.39)
- 256K ISA VGA Adaptor
- ISA HD/FD Cntrl, 2S/1P/1G
- 170MB H/D & 1.44MB F/D
- High Resolution Serial Mouse

$559

Upgrade 170MB to 270MB HD .... Add $40

Monthy Hard Drive Specials

Conner 540MB IDE	$155
Conner 850MB IDE	$189
Conner 1.2GByte IDE	$249
1.06GByte SCSI	Call
4.2GByte SCSI	Call

Genisys

ПОСЫЛАЕМ КОМПЬЮТЕРЫ В ПРИБАЛЬТИКУ И В СТРАНЫ СНГ

Note: International Quantity Purchases - we can drop ship to Eastern Bloc Locations and

HARD DRIVES

Conner Peripherals 270MB IDE	$135
Conner Peripherals 420MB IDE	$145
Conner Peripherals 540MB IDE	$160
Conner Peripherals 850MB IDE	$199
Conner Peripherals 1.08GByte SCSI-II	Call
Conner Peripherals 1.2GByte IDE	$259
Conner Peripherals 4.2GByte SCSI-II (Limited Supplied)	$999
IBM 170MB IDE	$115
Maxtor 405MB IDE	$140
Maxtor 540MB IDE	$160
Maxtor 850MB IDE	$199
Maxtor 1.2GByte IDE	$259
Maxtor 1.6GByte IDE (Call)	Call
Quantum 420MB IDE	$149
Quantum 540MB IDE	$165
Quantum 540MB SCSI	$185
Quantum 850MB IDE	Call
Quantum 1.08GByte SCSI-II	$399
Quantum 2.0GByte SCSI-II	$759
Quantum 4.0GByte SCSI-II	$1100
Samsung 540MB IDE (2-Year Warranty)	$155
Seagate 540MB IDE	Call
Seagate 850MB IDE	Call
Seagate 1.05GByte IDE	Call
WD Caviar 2540 540MB IDE (11ms)	$180
WD Caviar 730MB IDE	Call
WD Caviar 850MB IDE	$210
WD Caviar 1.08GByte IDE	Call
WD Caviar 1.2GByte IDE	$310

FLOPPY DRIVES

[illegible] 1.2MB / 3.5" 1.44MB (Beige)	$41/$31
[illegible] 1.2MB / 3.5" 1.44MB (Black)	$51/$41
Mitsumi 5.25" 1.2MB / 3.5" 1.44MB	$39/$28
Teac FD505 2-in-1 Combo (1.2+1.44MB)	$82

MICE

Hi-res Mouse (Serial)	[illegible]
Truemouse TX/AX 300 (Serial) w/Mouse Pad & Pocket	[illegible]
Truedox Trackball TK300	[illegible]
Microsoft Mouse Serial/Bus	[illegible]
BLACK 3-Button (Serial) Hi-res Mouse	[illegible]
Mouse Pad	[illegible]

TAPE BACK UP

Colorado 250MB Internal (Special) DJ-20	[illegible]
Colorado 350MB Internal DJ-30	[illegible]
Colorado 700MB Internal DJ-25	[illegible]
Colorado Parallel Port (Ext) 250/350MB	[illegible]
Colorado T1000 800MB Internal	[illegible]
Colorado DJ-50 1.3GByte Internal	[illegible]
Tape Drive Adapter AB-11 (for ext)	[illegible]
Conner 250MB Internal w/Cartridge	[illegible]
Conner 420MB Internal w/Cartridge	[illegible]

MULTI MEDIA *(CD ROM / Sound Cards)*

CD ROM DRIVES

	Beige	Black
2X Speed Acer (IDE) Special	[illegible]	
2X Speed Panasonic 562	[illegible]	
2X Speed Sony 55E (IDE)	[illegible]	
4X Speed Panasonic (IDE)	[illegible]	
4X Speed Teac (Panasonic Interface)	[illegible]	
4X Speed Teac w/1.44MB Floppy Drive ***(New)***	[illegible]	
4X Speed Toshiba 5802B (IDE)	[illegible]	
4X Speed Toshiba 5301B (SCSI)	[illegible]	
4X Speed Mitsumi (IDE)	[illegible]	
4X Speed Sony (IDE)	[illegible]	
4X Speed Toshiba 3601 (SCSI)	[illegible]	

SOUND CARDS & SPEAKERS

	OEM	Retail
Creative Technology Sound Card		
Sound Blaster 16 Vibra MCD	[illegible]	
Sound Blaster 16 Vibra IDE	[illegible]	
Sound Blaster 16 MCD		$129
Sound Blaster 16 MCD w/ASP	[illegible]	
Sound Blaster 16 SCSI	[illegible]	[illegible]
Sound Blaster 16 SCSI w/ASP		[illegible]
Sound Blaster AWE32 Value Edition		[illegible]
Sound Blaster AWE32 + Wave MCD		[illegible]
Acer / Opti Chip 16-Bit (by Acer) (SB16 MCD/IDE)		[illegible]
Sound Blaster 16 Compatible SCSI		[illegible]
SP55 Mini Speakers 4-Watt		[illegible]
SP691 Amplified Speakers 14-Watt		[illegible]
SP115 Amplified Speakers 115-Watt		[illegible]
SP170 Typhoon 170-Watt Surround Sound		[illegible]

MULTI MEDIA KITS

Sound Blaster New Discovery w/18 Titles (2X)	[illegible]
Sound Blaster Digital Schoolhouse w/20 Titles (2X)	$215
Sound Blaster Discovery w/4X CD ROM	$299
Pony 16 - SB16 Comp, 4-W Spkr, 21CD title* Ency, US/World Atlas, ChessMaster4000, Typing, 16-Games, 2X CD ROM	$189
Sound Blaster 16 SCSI Multi Media Kit - SB16 SCSI, 4-W Spkr, 21-CD Titles	
with NEC 511 4X SCI	Call
with Toshiba 5301B 4X SCSI	Call
Quad Speed Multi Media Combo Kit - 4X CD ROM (195ms 600KB/sec), SB16 Comp, 21-CD Titles	
with 14-Watt Spkr	$239
with 115-Watt Spkr	$259
Zoltrix Quad Speed Package (Limited Supplied) 4X Quad Speed CD ROM, 16-Bit Sound Card, MS Golf, Entertainment, Works, Money, Encarta 95 & Scenes	$269
Misc. Audio Cable (pls. specify CD ROM)	$8

MODEMS

B/S 14.400 Internal Fax/Data (qty. 20+ $45)	$50
B/S 14.400 Internal Fax/Data/Voice	$60
B/S 28.800 External Fax/Data (Hayes Comptatible) ***V.34***	$129
US Robotics 14.400 Int / Ext Fax/Data ***(Special)***	$90/112
US Robotics 28.800 Int / Ext Fax/Data	$215/230

MISCELLANEOUS

UL Power Surge Panel Protector	$19
with Telephone, Modem, Fax Protection (Jack)	$25
Power Strip Surge Protector	$5
IDE Cable (40-Pin)	$5
2HD / 3HD / 5HD SCSI Cable (50-Pin)	$5/8/18
6' RS232 Serial cable (M-M / M-F)	[illegible]
6'/15' Parallel Printer Cable	[illegible]
Ethernet Terminator	[illegible]

Wholesale $$ To The Public
Genisys high Performance
Systems are pre-tested a minimum
of 72-hrs to ensure maximum quality and
reliability

ORDER HOTLINE

SALES: (909) 598-2828

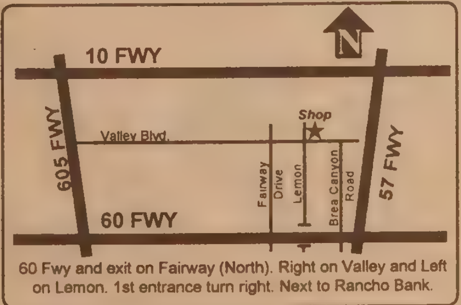
FAX: (909) 598-5748

GORVERNMENT & UNIVERSITY
PURCHASE ORDERS & CORP. ACCT.
WELCOME

*** Delivery & Setup, On-Site Service Available**
(Please call for different plans)

WE WILL MEET OR BEAT ANYONE'S ADVERTISED PRICE!!

Note: Configuration must be identical.



60 Fwy and exit on Fairway (North). Right on Valley and Left on Lemon. 1st entrance turn right. Next to Rancho Bank.

Genisys Micro Concepts Int'l
Asean Computer Technologeis, Inc.
20425 E. Valley Blvd.
Walnut, CA 91789
Order Hot Line: (909) 598-2828
Fax Orders: (909) 598-5748
Customer Service: (909) 598-5498
Hours: 9AM-6PM Mon-Fri

Your Final Source For Computer Solutions.

COMPUTER
BUSINESS CENTER

Santa Monica

2811 Ocean Park
(310) 452-2027
FAX (310) 452-5548

Hours

Mon-Fri: 8:30-6:00
Sat: 10-4

PENTIUM Intel PCI Motherboard

w/3PCI Slots & 256K Cache, Heat Sink & Cooling Fan.
Built-in IDE & I/O (2S/1P/1G)
8MB RAM
540MB IDE Hard Drive
Teac 1.2 or 1.44MB Floppy Drive
PCI Graphics Accelerator Card w/1MB
15" SVGA Monitor (1024x768) .28 (Low Radiation) NI
101 Enhanced Keyboard & Mouse
Mid Tower or DeskTop Case w/Power Supply

INTEL 586DX-90MHz

$2399

Pentium 66

Pentium 66MHz System
8MB RAM, 256K Cache
420MB IDE HDD
14" SVGA Monitor, N.I.
Enhanced 101 Keyboard
PCI SVGA Card 1MB
PCI Integrated IDE & I/O
3.5" 1.44 Floppy Drive
Microsoft Compatible Mouse
Mid Tower Case w/CPU Fan

$1995

CITIZEN

Authorized Sales/Service

GSX 190 NEW	$179
GSX 240 NEW	309
GSX 130	275
GSX 145, 1 32 COL	409
200GX, 9 Pin	169
Color Option	49/69

COLORADO

MEMORY SYSTEMS INC.

Internal 120MB	$119
Internal 250MB	169
Trakker 120MB	249
Trakker 250MB	299

EPSON

AUTHORIZED DEALER

LX-300, 9 Pin	$179
LQ-570+, 24 Pin	275
FX-870/FX117	279/369
LQ-870/LQ-1170, 24 Pin	449/609
LQ-1070 24 Pin, 132 Col.	395
LQ-2550 24 Pin, High Speed	899
DFX-5000 9 Pin, 533 CPS	CALL
AP 3250, 24 Pin Narrow, 200 CPS	189
AP 3260, 24 Pin Narrow, 216 CPS	209

Laser

Actionlaser 1500, 6PPM	$689
EPL-8000 Laser, 10PPM, 1MB	899

All Accessories Available

HEWLETT PACKARD

HP LaserJet 4P w/Toner	939
HP LaserJet 4MP w/Toner	1299
HP LaserJet 4 Plus w/Toner	Best Price
HP LaserJet 4M Plus w/Toner	Best Price
HP LaserJet 4V w/Toner 16PPM	NEW $1879
HP LaserJet 4MV w/Toner 16PPM	2699
HP LaserJet Color w/Toner	Call
HP LaserJet 4SI w/Toner	Call
HP LaserJet 4SI MX w/Toner	Call

INKJET PRINTERS

Deskjet/Deskwriter 540	$279
Deskjet/Deskwriter 560C	469
Deskjet/Deskwriter 320	309
Deskjet/Deskwriter 320 w/cut sheet feeder	359

SCANNERS

HP ScanJet IIIP w/CTRL	$499
HP ScanJet IICX w/ISA CTRL	
HP ScanJet IICX w/Mac CTRL	899
HP ScanJet Doc. Feeder	489

MACINTOSH

Apple Power Macintosh 6100/60
$CALL for pricing and configurations

Power Macintosh 7100/66
66MHz Power PC 601 Microprocessor
$CALL for pricing and configurations

PowerBooks

PB 520 4/160	$2088
PB 520C 4/160	2648
PB 520C 12/320 + Modem	3548
PB 540C 4/320	4348
PB 540C 12/320 + Modem	4948
PB 540C 12/500 + Modem	5188

PowerBook Special

DUO

Duo 270C 4/240 Active Matrix Color 68030/33MHz	$2468

Power PC Specials

6100/60 8/160	$1398
7100/66 8/250-CD	2148

Power Macintosh 8100/80
80MHz Power PC 601 Microprocessor
$CALL for pricing and configurations

Quadra 630 33MHz 68040 CPU Power PC Upgradable 4/250	$1198

Free Custom Configuration

MISCELLANEOUS

Parallel Port TB 525MB EXT	$599
Parallel Port Ext. CD-ROM (Single Speed)	269
Parallel Port Ext. CD-ROM (Dual Speed)	399
Phillips (LMSI) IDE INT. KIT(Complete)	99
Int. Fax Modem 9600 Send/Receive	79
Int. Fax Modem 14.4 Send/Receive	99

MONITORS

Sony	Call
NEC	Call
Super Mac	Call
Radius	Call

NEC MONITORS

NEC 2V 14"	$399
NEC 3V 15"	479
NEC 4FGE 15"	629
NEC 6FGP 21"	1999
NEC XE 15 15" (NEW)	539
NEC XE 17 17" (NEW)	1029
NEC XE 21 21" (NEW)	2069
NEC XP15 15" (NEW)	659
NEC XXP17 17" (NEW)	1250
NEC XP21 21" (NEW)	2439

OKIDATA PRINTERS

Authorized Dealer

OL400E

• 4PPM • 300DPI • 512K RAM • 100 Sheet Tray	$425

OL410E

• 4PPM • 600DPI • 2MB RAM • 100 Sheet Tray	$619

OL410/PS

• 4PPM • 600DPI • 2MB RAM • Postscript Scalable Fonts • Mac Compt. • Apple Talk Built-in	$879

ML320/321

• 300 CPS • Dot Matrix • 9 Pin	$319/429

ML590/591

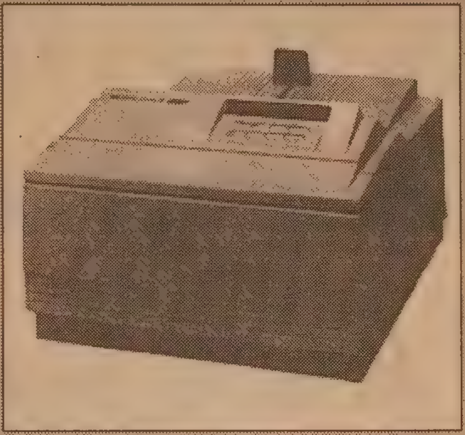
• 360CPS • Dot Matrix • 24 Pin • Color Option • 2yr. Warranty	$429/569

486DX2-66VLB
Turbo System

INTEL 486DX2-66 CPU w/Fan
ZIF Socket 256K Cache
4MB Memory
420MB Hard Drive
1.44MB Floppy Drive
32-Bit VLB SVGA Card w/1MB
32-Bit VLB HD/FD Controller
2 Hi-Speed Serial Ports
1 Hi-Speed Parallel Port
101 Keyboard, Hi-Res Mouse
14" N-I .28 (1024x768) Monitor
Mini Tower Case

$1195

HP LaserJet 4V



- 16ppm
- 250 Sheet Paper Tray
- 8 1/2x11 & 11x17 Built-in
- 4MB Ram
- 600dpi Res.
- Optional lower tray

$1879

EMC 14" Flat Mono Monitor

$75

SPECIAL LIMITED QUANTITIES

DEMO

Apple Power Book 145
4MB RAM, 160MB Hard Disk..$1100

Apple PowerBook 180C
Active Color Matrix
Demo..$1795

Apple Macintosh 476
4MB Ram, 230MB Hard Disk, KB, Mouse, Modem, Monitor
Demo..$995

IBM ThinkPad
340 ROM, 120MB HardDisk, 4MB, Built-IN Mouse Mono VGA
Demo $995

COMPAQ-PRESARIO CDS 660
486 SX2, 66MHZ
4MB RAM, 340MB Hard Disk, CD ROM, Speaker, KB, SVGA Card
Demo..$1195

Monitor Not Included

COMPAQ PRESARIO CDS 866
- 486DX2 50MHz
4.0MB RAM
520MB Hard Disk
- Double Speed CD ROM
- Keyboard, SVGA Card

Demo $1485

IBM Notebooks

Thinkpad360	170/340	$1849/$2229
Thinkpad360CS	170/340	$2279/$2649
Thinkpad360C	170/340	$2745/$28991
Thinkpad360CE	170/340/540	$2529/$2929/$3279
Thinkpad 755CS 50MHz	170/340/540	$3199/$3649/$4049
Thinkpad 755CS 75MHz	170/340/540	$3669/$4149/$4499
Thinkpad 755C 50MHz	170/340/540	$4259/$4719/$5079
Thinkpad 755C 75MHz	170/340/540	$4629/$5089/$5499

- 755CE 540MB $6645
- 755CE 810MB $7195

CALL FOR OTHER IBM PRODUCTS

Creative Labs Discovery Kit
Double Speed CD-ROM Drive
320ms 300kb/sec
Sound Blaster 16 bit stereo, CD quality Sound Card
Includes Groliers Encyclopedia, Games
and More.
Amplified Speakers Included!

$289

U.S. Robotics 14.4 Modem/14.4 Fax
V42 & V42bis, high speed data and fax, ultra low cost, ultra high performance. Comes complete with FaxWorks Software.

$99

Internal 28.8K Fax/Modem

$209

TOSHIBA

T2100
486DX2/50, 4MB RAM
9.5" Mono Display, Dos,
Windows, AccuPoint
260HD $1499

T1960CT
486DX2-50, Active Color
4MB, Ballpoint, DOS, Win
200HD 2499
320HD 2645

T3600CT
486DX2-50, 8MB RAM,
1.44 WIN DOS
Workgroups
250HD ....CALL

T2100CS/T2100CT
486DX2/50, 4MB RAM
9.5" Mono Display, DOS, Windows, AccuPoint, 350MB Hard Disk
T2100CS 2189
T2100CT 2979

T2400CS
486DX2-50, Passive Matrix Color, 4MB Ram, MS Windows F/WorkGroups, Sound Option, Accupoint
250HD 2399
320HD 2539

T4850CT
486DX4-75 Active CLR Screen, 8MB RAM, DOS, Win
520HD ....CALL
810HD ....CALL

T2150CDS/T2150CDT
486DX4/75, 4MB RAM, 5MB Hard Disk, 2XCD-ROM, AccuPoint
2150CDS 3399
2150CDT ....CALL

T2450CT
486DX4-75, Active Color, 8MB, Sound Option, Accupoint, MS Windows F/WorkGroups
320HD 3749
500HD 4149

T4900CT
Pentium 75MHz processor 8MB Memory, 104" TFT Active Color,Multimedia Capabilities 6.9lbs.
810HD ....CALL

386SX/40MHz Barebones

- Mini Tower Case
- 40 MHz 386SX MB
- 1.2 OR 1.4 MB
- Floppy Drive
- Hard & Floppy
- Controller IDE
- 101 Key Keyboard
- Clock/Calendar
- 2 Serial Ports/
1 Printer Port/Game

$245

386DX/40MHz W/128K Cache Barebones

- Mini Tower Case
- 40 MHz 386 DX w/128K Cache
- 1.2 OR 1.4MB
- Floppy Drive
- Hard & Floppy
- Controller IDE
- 101 Key Keyboard
- Clock/Calendar
- 200 Watt Power Supply
- 2 Serial Ports/ 1 Printer Port/Game

$299

486DX/66MHz W/256K Cache

- Mini Tower Case
- 66 MHz 486 DX w/256K Cache
- 1.2 OR 1.4MB
- Floppy Drive
- Hard & Floppy
- Controller IDE
- 101 Key Keyboard
- Clock/Calendar
- 200 Watt Power Supply
- 2 Serial Ports/ 1 Printer Port/Game

$595

Prices Subject to change w/out notice. Financing & Leasing Available. EASY QUALIFYING! ****PM=Per Month

Resources

Calendar Of Events

Conferences, Shows, Special Events

July

July 22–23 American Computer Mega Show. Shrine Auditorium, Los Angeles. American Mega Shows. Call: (818)961-3782.

July 22–23 Computer Show And Sale. Oxnard Community Center. MarketPro Shows. Call: Paul Gallas, 1-800-708-7555 ext. 28.

July 23 Computer Show And Sale. Fresno Holiday Inn. MarketPro Shows. Call: Paul Gallas, 1-800-708-7555 ext. 28.

July 27 Embedded Computing Show. Los Angeles. RTC Group of Concept Development, Inc. Call: 1-800-755-7380 or *http://www.rtcgroup.com/rtc* .

July 29–30 American Computer Mega Show. CSU, Northridge. American Mega Shows. Call: (818)961-3782.

July 29–30 Robert Austin Computer Shows. Anaheim Stadium. Robert Austin Corp. Call: 1-800-346-0100.

July 30 ACP Computer Swap Meet. Santa Ana. ACP. Call: (714)558-8813.

July 30 Computer Show And Sale. California Center for the Arts, Escondido. MarketPro Shows. Call: Paul Gallas, 1-800-708-7555 ext. 28.

July 31–August 4 Tools USA Conference. Santa Barbara. Smith & Shows. Call: (805)685-1006.

August

August 2–4 Virtual Reality And Persons With Disabilities Conference. San Francisco. Center on Disabilities, CSU Northridge. Call: (818)885-2578 or *ltm@csun.edu* .

August 5 Computer Super Shows. Glendale Civic Auditorium. Super Show Productions. Call: 1-800-459-6105.

August 5–6 Computer Marketplace. Fairplex Expo Center, Pomona. National Productions. Call: 1-800-800-5600.

AUGUST 2–4

Virtual Reality And Persons With Disabilities Conference

SAN FRANCISCO AIRPORT MARRIOTT HOTEL

The third annual Virtual Reality and Persons With Disabilities Conference, produced by CSU Northridge's Center on Disabilities, will feature Jaron Lanier as keynote speaker. The conference will bring together the virtual reality community, people who are themselves disabled, and professionals who work directly in the field of disability. There will be preconference sessions on assistive VR applications, medical applications in virtual reality, the clinical application of virtual therapy to psychiatric disorders, the Internet and VR, and others. The general sessions will cover such topics as Virtual Reality: A New Way to Design Neuroperceptual Tools, Applications of Virtual Reality Technology to Therapy and Rehabilitation, Body Inputs and Olfactory Art Forms, The Use of Bioelectric Signals for Navigating a Three-Dimensional Computer Environment, Designing a Virtual Science Laboratory to Accommodate Needs of Students With Cerebral Palsy, and many more. In addition there will be an exhibit hall displaying the newest in virtual reality products and related technology. For further information, contact the CSUN Center on Disabilities at (818)885-2578 (voice, TDD, message) or ltm@csun.edu .

AUGUST 5–6

Computer Marketplace

FAIRPLEX EXPO CENTER, POMONA

Computer Marketplace is the biggest and the original computer trade show for consumers. Produced by National Productions, Inc. for over 12 years, it takes place in two air conditioned buildings at the Fairplex Expo Center in Pomona. Hundreds of exhibitors demonstrating the latest technology and selling at the lowest prices to be found anywhere. Find complete multimedia systems, notebook computers, modems, CD-ROM drives, printers, scanners, thousands of software titles for kids of all ages, and lots more. Free prize giveaways every hour. Open 10 am to 5 pm, admission is $7. Come by and meet Jeff Levy of KFI Radio's Computer Talk broadcasting live on Sunday. Call 1-800-800-5600 or email CMPlist@aol.com for more info.

August 12 Computer Marketplace. Sherman Square Entertainment Center, Reseda. National Productions. Call: 1-800-800-5600.

August 12 Computer Show And Sale. Kern County Fairgrounds, Bakersfield. MarketPro Shows. Call: Paul Gallas, 1-800-708-7555 ext. 28.

August 12–13 American Computer Mega Show. National Orange Show, San Bernardino. American Mega Shows. Call: (818)961-3782.

August 13 Computer Marketplace. Sequoia Conference Center, Buena Park. National Productions. Call: 1-800-800-5600.

August 13–17 Object World Conference And Expo. San Francisco. Object Management Group. Call: 1-800-225-4698 or *omg@omg.org* .

August 16–19 Sixth Annual Macintosh Summit Conference. Santa Barbara. UCSB Extension. Call: (805)893-2811.

August 16–20 BDPA 17th Annual National Conference. Philadelphia. National Black Data Processing Associates. Call: 1-800-727-BDPA.

August 17–20 The California Computer Expo. San Diego Convention Center. The California Computer Expo. Call: 1-800-573-3247.

August 19 Robert Austin Computer Show. Anaheim Stadium. Robert Austin Corp. Call: 1-800-346-0100.

August 19–20 American Computer Mega Show. CSU, Northridge. American Mega Shows. Call: (818)961-3782.

August 19–20 Computer Show And Sale. Oxnard Community Center. MarketPro Shows. Call: Paul Gallas, 1-800-708-7555 ext. 28.

August 20 Computer Show And Sale. Fresno Holiday Inn. MarketPro Shows. Call: Paul Gallas, 1-800-708-7555 ext. 28.

August 26 Computer Super Shows. Riverside Convention Center. Super Show Productions. Call: 1-800-459-6105.

August 26–27 Computer Marketplace. Fairplex Expo Center, Pomona. National Productions. Call: 1-800-800-5600.

August 27 Computer Show And Sale. Scottish Rite Center, San Diego. MarketPro Shows. Call:

12 Years as California's Most Exciting Computer Show

Computer MARKETPLACE

Enjoy the Show In Our Air Conditioned Buildings!

Consumer Trade Show
With Wholesale Prices

There is no other place where you can find such a huge inventory of computer products at low, wholesale prices! Hundreds of knowledgeable computer retailers and businesses each demonstrating their products and paying close attention to your needs.

Browse Computer Marketplace on the Web
Go to http://www.arrowfm.com

August 5 & 6
Saturday & Sunday
POMONA Fairplex (LA Fairgrounds)
Exit Highway 10 at Fairplex Drive. Go north to McKinley Avenue, turn right. Turn left on White Avenue to Gate 14.

August 12
Sunday
RESEDA Sherman Square Entertainment Center
From the 101 Freeway take the Reseda offramp, turn left (east) to Sherman Way and turn right. Go one block to Canby Street. 18430 Sherman Way.

August 13
Sunday
BUENA PARK Sequoia Conference Center
Take the Beach Blvd. exit off the 91 Freeway. Go one block north to 7530 Orangethorpe.

August 26 & 27
Saturday & Sunday
POMONA Fairplex (LA Fairgrounds)

The Technically Motivated Can Join the Computer Marketplace Mailing List by Sending E-mail to cmplist@aol.com

All Shows
Open to the Public
10:00 A.M. TO 5:00 P.M.

CONSIGNMENT TABLE

300 EXHIBITS at the POMONA SHOWS

Admission
Pomona: $7.00
All others: $5.00

NATIONAL PRODUCTIONS, INC.

(408) 778-5200 or 800-800-5600
Fax# (408) 779-1374

Calendar Of Events *continued...*

Paul Gallas, 1-800-708-7555 ext. 28.

August 29–September 1 Windows Solutions Conference And Expo. San Francisco. SOFTBANK Expos. Call: 1-800-488-2883 or *http://www.sbexpos.com* .

September

September 2 Computer Super Shows. Glendale Civic Auditorium. Super Show Productions. Call: 1-800-459-6105.

September 2–3 American Computer Mega Show. Carson Center, Carson. American Mega Shows. Call: (818)961-3782.

September 9 Computer Marketplace. Sherman Square Entertainment Center, Reseda. National Productions. Call: 1-800-800-5600.

September 9 Computer Show And Sale. Fresno Holiday Inn. MarketPro Shows. Call: Paul Gallas, 1-800-708-7555 ext. 28.

September 9–10 American Computer Mega Show. CSU, Northridge. American Mega Shows. Call: (818)961-3782.

September 9–10 Computer Show And Sale. Ventura Fairgrounds. MarketPro Shows. Call: 1-800-708-7555 ext. 28.

September 10 Computer Marketplace. Sequoia Conference Center, Buena Park. National Productions. Call: 1-800-800-5600.

September 14–15 GlobalSoft International Forum. Seattle, WA. GlobalSoft Expo. Call: Steve Hatch, (206)624-9743 or *rshatch@globalsoftexpo.com* .

September 16 Computer Marketplace. Earl Warren Showgrounds, Santa Barbara. National Productions. Call: 1-800-800-5600.

September 16 Computer Super Shows. Hollywood Park. Super Show Productions. Call: 1-800-459-6105.

September 16–17 American Computer Mega Show. National Orange Show, San Bernardino. American Mega Shows. Call: (818)961-3782.

September 17 Computer Super Shows. Riverside Convention Center. Super Show Productions. Call: 1-800-459-6105.

September 17–20 SOFTWORLD '95 International Software Conference. Vancouver, BC. SOFTWORLD '95. Call: 1-800-667-5535 or *info@softworld.org* .

September 18 Hollywood In Cyberspace Conference. Hollywood. Sensational Seminars. Call: Nina Steiner, (310)288-3425 or *nina@sensational.com* .

September 19–21 UNIX Expo. New York. Blenheim. Call: 1-800-829-3976.

September 20–22 EdNET 95: The Educational Technology And Telecommunications Markets Conference. San Diego. The Heller Report. Call: (708)441-2920 or *hellerreport@delphi.com* .

September 21–22 Digital Shopping And Electronic Commerce Conference And Exhibition. New York. American Expositions, Inc. Call: (212)226-4141.

September 24 ACP Computer Swap Meet. Santa Ana. ACP. Call: (714)558-8813.

September 26–29 Seybold Conference And Expo. San Francisco. SOFTBANK Expos. Call: 1-800-488-2883 or *http://www.sbexpos.com* .

September 30 Computer Marketplace. Sherman Square Entertainment Center, Reseda. National Productions. Call: 1-800-800-5600.

To 200 booths
SHRINE AUD.
July 22-23

AMERICAN
COMPUTER
Mega SHOW

Up to 150 Exhibits for our Mega Shows
The Most POWERFUL Shows in Town
The latest PC systems, Notebooks, Multi-Media, Boards, Laser Printers
Fax Modems, Disk Drives, Softwares, Books, Accessories, and more

MEGA Savings - Lower Than Mail Order Prices - Up to 70% Off Retail

Every Item ON SALE up to 70% off

July 22-23 Sat & Sun 10 - 5PM — SHRINE Auditorium, 700 W. 32nd Street, L.A. (Across from USC)
July 29-30 Sat & Sun 10 - 5PM — Cal State Northridge, 18111 Nordhoff Street (INDOOR SHOW at Student Union)
San Bernardino Best Show
Aug 12-13 Sat & Sun 10 - 5PM — National Orange Show (SB), 689 South "E" Street, San Bernardino (Fwy 215 exit Orange Show Road, turn left at "E" Street)
Aug 19-20 Sat & Sun 10 - 5PM — Cal State Northridge, 18111 Nordhoff Street (INDOOR SHOW at Student Union)
South Bay
Sept 2-3 Sat & Sun 10 - 5PM — SOUTH BAY: Carson Ctr, 801 E. Carson Street, Carson (corner of Avalon & Carson)
Sept 9-10 Sat & Sun 10 - 5PM — Cal State Northridge, 18111 Nordhoff Street (INDOOR SHOW at Student Union)
Sept 16-17 Sat & Sun 10 - 5PM — National Orange Show (SB), 689 South "E" Street, San Bernardino

AMERICAN MEGA SHOWS 818-961-3782 Fax: 818-961-0933
Shows subject to change without notice

$1 OFF COUPON
Copies Accepted

FREE PARKING
Most Venues

BONANZA SHOW PRODUCTIONS PRESENTS THE
COMPUTER
SHOW & SALE EXPO

Aug. 12 & 13 Saturday & Sunday — CAL STATE NORTHRIDGE, 18000 Devonshire, Northridge
Sept. 2 & 3 Saturday & Sunday — CAL STATE NORTHRIDGE, 18000 Devonshire, Northridge
Sept. 10 Sunday — ORANGE COUNTY FAIRGROUNDS, 88 Fair Drive, Costa Mesa

Directions: CSUN: From the San Diego Feeway (405) take the Devonshire exit West to Northridge continue onto 18000 Devonshire Blvd.
From the (118) Freeway take the Reseda exit South. Turn left on Devonshire Blvd.
ORANGE COUNTY FAIRGROUNDS:
From the (405) South take the (55) Freeway south. Exit Del Mar Drive. Turn Right on Fair Drive.
From the (5) South take the 55 Freeway south. Exit Del Mar Drive. Turn Right on Fair Drive.

ORANGE COUNTY Free Parking!

$1.00 OFF WITH THIS AD.
ADMISSION $6.00. FREE WITH BONANZA SHOW MEMBERSHIP!
SHOW HOURS — 10AM - 4PM
FOR MORE INFO CALL: 1.415.595.1053
CHILDREN 12 & UNDER FREE COPIES OK ONE DISCOUNT COUPON PER PERSON

COMPUTER SUPER SHOWS

FREE PARKING

WHOLESALE PRICING TO THE PUBLIC

FREE SEMINARS

SAVE $$$ ON ALL THE LATEST TECHNOLOGY

PERFECT SHOWS FOR BEGINNERS

$2.00 OFF W/THIS AD

The latest in: Complete P.C. Systems, Add-on Boards, Printers, Modems, Books, Multi-Media, Software, Shareware, NoteBooks, Accessories and much more.

Seminars & Presentations covering: The Internet, Word 6.1, WordPerfect, Microsoft Excel, Home Accounting, Multi-Media, Lotus, Networking, How to Buy a New System and More.

Aug. 5 Saturday GLENDALE CIVIC AUDITORIUM
1401 N. VERDUGO, GLENDALE
(CROSS STREETS ARE MOUNTAIN AND VERDUGO)

Aug. 26 Saturday RIVERSIDE CONVENTION CENTER
3443 ORANGE ST., RIVERSIDE
(CROSS STREETS ARE MARKET ST. AND 5TH STREET)

Aug. 27 Sunday CAL STATE LONG BEACH
1250 BELLFLOWER BLVD., LONG BEACH
(CROSS STREETS ARE BELLFLOWER BLVD. AND 7TH STREET - IN THE WEST GYM)

Sept. 2, Saturday GLENDALE CIVIC AUDITORIUM

Sept. 17, Sunday RIVERSIDE CONVENTION CENTER

Sept. 24, Sunday CAL STATE LONG BEACH

SUPER SHOW PRODUCTIONS, INC.
(714) 852-9267 OR (800) 459-6105
FAX (714) 852-9265

SHOW HOURS:
10:00AM TO 5:00PM
VENDOR SETUP:
7:00AM TO 9:00AM

ADMISSION:
ADULTS $6.00
CHILDREN ARE FREE

$2.00 OFF ADMISSION

Classes, Seminars, Workshops

July

July 22 Understanding The Internet For Entertainment Lawyers Class. Los Angeles. UCLA Extension. Call: (310)825-9971.

July 23 Photo Retouching With Adobe Photoshop Class. Los Angeles. UCLA Extension. Call: (310)206-1422.

July 25 Internet Business Free Seminar. Los Angeles. SBT Accounting Systems. Call: 1-800-944-1000.

July 25–August 31 Intro To Creating Digital Effects: An Intensive Silicon Graphics Workshop Class. Los Angeles. UCLA Extension. Call: (310)825-1901 or *rmacales@unex.ucla.edu* .

July 27 Microsoft PowerPoint Class. Irvine. Computer Research Center. Call: (714)476-2333.

July 29 Microsoft Excel I Class. Irvine. Computer Research Center. Call: (714)476-2333.

August

August 2–3 NetWare User Conference. Anaheim. NetWare Users International. Call: (801)429-5657.

August 5 How To Build A PC Class. Irvine. Computer Research Center. Call: (714)476-2333.

August 5–6 Advanced 3D Studio Techniques Class. Los Angeles. UCLA Extension. Call: (310)825-1901 or *rmacales@unex.ucla.edu* .

August 8 AutoCAD Workshop. Irvine. Computer Research Center. Call: (714)476-2333.

August 9–September 13 QuarkXPress: Level II Class. Los Angeles. UCLA Extension. Call: (310)206-1422.

August 12 Digital Backlot: An Intro To Digital Effects For Film And Television Class. Los Angeles. UCLA Extension. Call: (310)825-1901 or *rmacales@unex.ucla.edu* .

August 12 Multimedia Artists Show Their Award Winning Projects Presentation. Los Angeles. UCLA Extension. Call: (310)206-1422.

August 15–29 Intro To Adobe Photoshop Class. Los Angeles. UCLA Extension. Call: (310)206-1422.

August 21–23 Software Safety Class. Los Angeles. UCLA Extension. Call: (310)825-1901.

August 30–31 Windows On NetWare Class. Los Angeles. Center for Advanced Professional Development. Call: (714)261-0240.

September

September 5–8 Nonlinear Editing On The PC With D/Vision Pro Class. Los Angeles. UCLA Extension. Call: (310)825-1901 or *rmacales@unex.ucla.edu* .

September 10–17 Intro To Lingo Class. Los Angeles. UCLA Extension. Call: (310)206-1422.

September 18–21 Object-Oriented Programming And Design Under The C++ Object Model Class. Los Angeles. UCLA Extension. Call: (310)825-1901.

September 18–22 Engineering And Management Program. Los Angeles. UCLA Extension. Call: (310)825-3858 or *bcroswhi@unex.ucla.edu* .

The California Computer Expo

The Largest Consumer Computer Show on the West Coast

4 Full Days ◆ August 17–20
at the San Diego Convention Center

400 Exhibits!

Consumer Demonstration Hall
- Hands-On Education
- Multimedia
- Computer Genealogy
- Virtual Reality
- Edutainment Software
- Kids' Corner
- Computer Concerts

Business Computing Center
- Computer Business Applications
- The Internet
- Employment Opportunities
- Networking
- Professional Specialties
- Barcoding
- Small Business Tools

Computer Shopping Mall
- Purchase Computer Goods
- Top Retailers on Display
- Show Specials
- Redeem Coupons from Expo Value Pack

THE CALIFORNIA COMPUTER EXPO

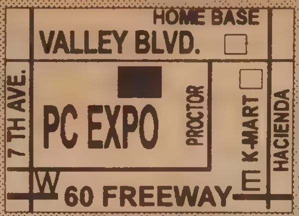
One-Day Exhibit Tickets $7
($8 at the door)
Exhibits FREE for Children Under 12!
Seminar Passports $30 (Seminars are pre-registered weeks in advance. A limited number may be available at the door.)

The California Computer Expo
San Diego Convention Center
111 West Harbor Drive, San Diego, CA

San Diego, August 17–20 ◆ (800) 573-3247

PC EXPO

15450 E. VALLEY BLVD.
INDUSTRY, CA 91746



SAT	12:00 - 6:00
MON	12:00 - 7:00
TUE - FRI	10:00 - 7:00
SALES	818-855-9088
FAX	818-855-9087
TECH	818-855-9086

PENTIUM SPECIAL

Intel Triton

256K Cache Max 512K
Power Saving Funtion
8 MB RAM Max 128 MB
1.44MB Floppy Drive
540 MB Hard Drive (E- IDE)
PCI Hard Drive Controller (up to 4 HD)
PCI Windows Accelerator Video Card
with 1 MB Max 2 MB
HighSpeed (16550 UART)
2 Serial / 1 Parallel / 1 Game Port
2X Speed CD-ROM
Creative Vibra 16 Bit Sound Card
Amplified Speakers
14" SVGA 1024 x 768 Monitor .28dp N.I.
8 Bays Tower Case, 250W Power Supply
101 Enhanced Keyboard
High Resolution Mouse

PENTIUM-75	**$ 1399**
PENTIUM-90	**$ 1479**
PENTIUM-100	**$ 1579**
PENTIUM-120	**$ 1879**

MANAGER'S SPECIAL

486 SLC-40	CPU & ISA M/B	**$ 59**
486 SXL2-66	CPU & VLB M/B	**$ 99**
486 DX-2 66	CPU & VLB M/B	**$159**
486 DX-4 100	CPU & VLB M/B	**$229**
486 DX-2 66	CPU & PCI M/B	**$179**
486 DX-4 100	CPU & PCI M/B	**$249**

486 VLB SPECIAL

256K Cache Max 1MB, Pentium OverDrive
& DX-4 Ready, Power Saving Function
4 MB RAM up to 64 MB, 1.44MB FD
540 MB Hard Drive (E- IDE)
VLB IDE I/O 2S/1P/1G Controller
VLB Windows Accelerator Video Card
with 1 MB up to 2 MB
14" SVGA 1024 x 768 Monitor .28dp N.I.
6 Bays Tower Case, 250W Power Supply
101 Enhanced Keyboard
High Resolution Mouse

486 DX2-66 $799

PENTIUM STATION

Intel Triton

256K Max 512K
Power Saving Function
16 MB RAM Max 128 MB
1.44 MB Floppy Drive
1.2 G.B. Hard Drive (E- IDE)
PCI Hard Drive Controller (up to 4 HD)
PCI Diamond Stealth Video with 2 MB D-RAM
Windows & Multimedia Accelerator Video Card
HighSpeed (16550 UART) 2S/1P/1G Ports
4X Speed CD-ROM
Creative Vibra 16 Bit Sound Card
140W Hi-Fi Speakers
17" Digitally Control SVGA Monitor .28dp N.I.
8 Bays Tower Case, 250W Power Supply
101 Enhanced Keyboard
High Resolution Mouse

PENTIUM-75	**$ 2299**
PENTIUM-90	**$ 2379**
PENTIUM-100	**$ 2479**
PENTIUM-120	**$ 2779**

486 PCI MULTIMEDIA

256K Cache up to 1MB
Pentium OverDrive & DX-4 Ready
Power Saving Function
4 MB RAM up to 128 MB
1.44MB Floppy Drive
540 MB Hard Drive (E- IDE)
PCI Hard Drive Controller (up to 4 HD)
PCI Windows Accelerator Video Card
with 1 MB up to 2 MB
2 Serial / 1 Parallel / 1 Game Port
2X Speed CD-ROM
Creative Vibra 16 Bit Sound Card
Amplified Speakers
14" SVGA 1024 x 768 Monitor .28dp N.I.
8 Bays Tower Case, 250W Power Supply
101 Enhanced Keyboard
High Resolution Mouse

486 DX-2 66	**$989**
486 DX-100 AMD	**$1059**
486 DX-100 INTEL	**$1129**

CASES

Full Size Tower	250W P/S	$65
8 Bays Tower	250W P/S	$50
6 Bays Tower	250W P/S	$35
5 Bays DeskTop	250W P/S	$50

Controllers

ISA IDE I/O	$11
ISA IDE I/O 16550	$22
VLB IDE I/O	$15
VLB IDE I/O 16550	$25

SOUND CARD

SB 16	$69
VIBRA 16	$69
SB AWE 32	$255

VIDEO CARD

ISA Trident 1MB	$59
ISA Trident 512K	$35
VLB S3 805 1MB	$65
PCI Diamond Stealth SE 1MB	$90
PCI Diamond Stealth 64 1MB	$115
PCI Diamond Stealth Video 1MB	$120
PCI Trident 9440 1MB	$65

TAPE DRIVE

250 MB	$99
420 MB	$140
850 MB	$195

HARD DRIVE

540 MB	$155
850 MB	$195
1.2 G.B.	$265

MODEM

14.4	$50
14.4 VOICE	$55
28.8	$125

PARTS

1.44 FD	$26
1.2 FD	$37
101 KB	$13
Fujitsu KB	$36
Focus 9000	$40
Network Card	$29
Mouse	$ 7
QuickShot Mouse	$ 9
QuickShot Joysrick	$10
MS-Mouse	$25

TERMS & CONDITIONS

All Systems carry 2 years labor & 1 year parts warranty. All Prices reflect a 3% cash discount. Prices and availability subject to change without notice.

VLB 486DX2 -66

8MB/540HD/14"

- Mid-Tower Case
- 8MB RAM, 256k Cache
- 540MB IDE Hardrive
- 14" SVGA .28dpi NI Monitor
- VLB SVGA 1MB Graphic Accelerater
- VLB EIDE Crtl. w/ 2s,1p,1g
- 1.44MB Floppy Drive
- 4 ISA & 3 VLB Slots
- 101 KeyBoard & Mouse

$1000

VLB 486DX4 100MHz

16M/540HD/14"/Vram

- AMD CPU / Mid-Tower Case
- 16MB RAM, 256k Cache
- 540MB IDE Hardrive
- 14" SVGA .28dpi NI Monitor
- VLB SVGA 2MB Vram Graphic
- VLB EIDE Crtl. w/ 2s,1p,1g
- 1.44MB Floppy Drive
- 7 ISA & 3 VLB Slots
- 101 KeyBoard & Mouse

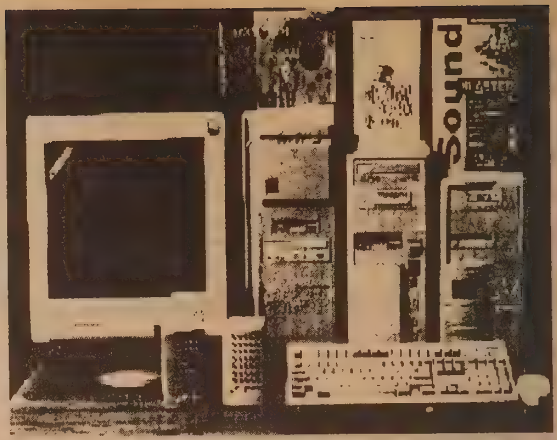
$1250

P5 WinPower CD

16M/1.2GB/17"/VRAM

- Intel P5 CPU / Mid-Tower Case
- 16MB RAM, 256k Cache
- 1.2GB EIDE Hardrive
- 17" .28d, Flat, Low radiation Monitor
- Diamond Stealth 64 PCI SVGA 2MB
- PCI EIDE Controllers w/ 2s,1p,1g
- 1.44MB Floppy Drive
- 101 KeyBoard & Mouse
- Ms Dos 6.2 & Windows 3.1
- 4X IDE CD-ROM Drive

90MHz ...$2225
100MHz ...$2325
120MHz ...$2650



PENTIUM 4X Multimedia

*Diamond Stealth 64 Video

- Intel Pentium 90MHz Processor
- Mid-Tower Case
- 256k Cache, (128MB Ram Expandable)
- Diamond STL Video 64 2MB PCI
- PCI EIDE Controller w/ 2s,1p,1g
- 101 KeyBoard & Mouse
- Ms Dos 6.2 & Windows 3.1
- 4x EIDE CD-ROM Drive
- Sound Blaster 16, 100Watt Speakers
- Microsoft Multimedia CD (Encarta95, MS Works 3.0, Money & Games)

☛ **A** 16MB RAM, 540MB EIDE HDD
14" .28d Digital Display
$1,950

☛ **B** 16MB RAM, 850MB EIDE HDD
15" .28d Digital Display
$2,050

☛ **C** 32MB RAM, 1.2GB EIDE HDD
17" .28d Digital Display
$2,850

With Intel 75MHz .....Sub$100
With Intel 100MHz... Add$150
With Intel 120MHz... Add$450

486DX4 100 MPC HOME

Blasting Speed & Mega RAM

- 3.6V LowPower CPU
- Mid-Tower Case
- 256k Cache, (64MB Ram Expandable)
- VLB 2MB VRAM Graphic Accelerator
- VLB EIDE Controller w/ 2s,1p,1g
- 101 KeyBoard & Mouse
- 2x EIDE CD-ROM Drive
- Sound Blaster 16, 10Watt Speakers
- Microsoft Multimedia CD (Encarta95, MS Works 3.0, Money & Games)
- 14.4k Fax/Modem (w/ Winfax Lite) and On-Line SoftWare

☛ **A** 16MB RAM, 540MB IDE HDD
14" .28d NI Display
$1,450

☛ **B** 16MB RAM, 850MB EIDE HDD
15" .28d Digital Display
$1,600

☛ **C** 16MB RAM, 1.2GB EIDE HDD
17" .28d Digital Display
$1,900

INSTANT UPGRADES

W/System Purchased

MULTIMEDIA KITS

- 2X KITs ...$225
- 4X KITs ...$295
- Including: EIDE CD-ROM Drive, Sound Blaster 16, 10watt Speaker & Microsoft Multimedia CD (Encarta95, Works 3.0, Money)

Fax/Modem

- 14.4k F/M (RockWell, Int) ...$55
- 28.8k F/M (RockWell, Int) ...$125

NetWork

- Ethernet 16 Coax & 10bt ...$40

COMPUTER PARTs with 1 Year Warranty

Perfect MotherBoard Upgrade (clone only)

486DX2 66MHz w/ CPU, 16MB RAM $595
486DX4 100MHz w/ CPU, 16MB RAM $625
Plus green function, 128k Cache, Vesa local bus
" Bring you old 286 or 386 system to today computing power"

* Trade-in, Volume upgrade discount, and On-site upgrade are available. Please call.

Ultimate Upgrade for 486 (clone only)

Pentium 75MHz w/ CPU, 16MB RAM $850
Pentium 75MHz w/ CPU, 32MB RAM $1300
*Plus green function, built-in fast IO, Enhence IDE, 256k cache, speed 75 to 120MHz.
*Trade-in, Volume upgrade discount, and On-site upgrade are available. Please call.

SAVE ON VIDEO CARD

Media Vision 2MB Vram, VLB $125
Display 16.8mil colors at 800x600 & 1024x768 res.
Media Vision 4MB Vram, VLB $245
Display 16.8mil colors at 1024x768 & 1280x1024 res.
Spider Turantula 2 / 4MB Vram PCI $225/325
S3 964 Graphic Accelerator, Display 16.8mil colors capable to diplay 1600x1200 (w/ 4MB).

SAVE ON Disk Drive

560MB IDE $165

850MB EIDE $195

1.2GB EIDE $295
Call for 2GB, 4GB, 8GB Fast or Wide SCSI

VIDEO CAPTURE CARD

Built-in TV Tuner !!!

$250 limited quantity.

You can watch TV, Capture live image from your VCR, Video Camcorder or other ...

Networking !!!

Network new or existing PC, We like to help
SERVER: Novell, Windows NT, WorkGroup
CABLING: COAX, 10BT
SHARES: File, Applications, Printer, Fax server ...ect

Please give us a call or fax for a complete free estimate.

STANDARD SIMM	72 PIN SIMM
1x9-70 1MB...$39	1x36 4MB $150
1x8-70 1MB...$33	2x36 8MB $295
4x9-70 4MB...$139	4x36 16MB $525
4x8-70 4MB....$119	8x36 32MB ......$call

Notebook, Laser Printer Memory call$

COMPAQ TOSHIBA DELL
Apple® Macintosh IBM ZENITH

MANUFACTURED BY
Kingston TECHNOLOGY CORPORATION

* We are authorized Kingston Reseller
Please call for Price.

ESTIMATES FREE
TECH SUPPORT
Friendly Service
NETWORK SERVICES

COMPUTiX

Computers & Memory Products

1 YEAR WARRANTY
PARTs & LABOR

VISA MasterCard

714-540-5131

3480 W. Warner Ste. E Santa Ana, CA.92704 - FAX (714) 540-5139 - HOUR M-F 9AM-6PM SAT 11AM-5PM

All Sale Prices Are Based on COD, Cash or Cashier Check - 14 Days Money Back Guarantee, Exclude Shipping Fee - One Year Parts & Labor Warranty. All Brand Names Are Trademards Of Their Respective Companies - Prices Ana Specifications Are Subject To Change Without notice.

User Group Network

BULLETIN BOARDS

MULTIZONE

A-Men On-Line. (213)651-0507, (310)366-1769, (818)785-1679. 8-N-1, 24 hrs., West Hollywood's hottest party and gym boy board. Gay/bi/curious. Fee. Sysop: John Whyman. [Exp. #141.]

Annex Online. (213)293-0070, (310)788-3818, (818)779-5600, Telnet 204.74.67.1 . 140 lines. Multiline chat, full Internet/SLIP, user meets, more. Sysop: Greg Gooden.

Aussie BBS. (310)425-5710, 320-5000; (714)670-6500, 572-8800, 537-4300, 262-1200; (818)961-1700, 447-6100, 357-5005. 18 lines. 35,000+ files, TradeWars 2002, MajorMUD, chat, Internet, RIP support. Free trial. Sysop: Mike Szabados. [Exp. #141.]

Beyond Chat BBS. (310)402-5869; (714)572-1993, 526-2344, 539-1849. 24 hrs., 14,400. 8 lines. Fun-loving, friendly, fast-growing, exciting, new adult board! [Exp. #141.]

Cloverleaf, Inc. (310)496-3311, (714)894-2246. 8-N-1, 24 hrs., 14,400, 28,800, ISDN. Waffle BBS/UNIX shell access, full Internet, SLIP/PPP extra. Login as guest. $15+/mo. [Exp. #139.]

Eden—The Electronic Garden. (310)421-2420; (714)548-1900, 530-6335. Telnet edenbbs.com . 24 hrs., 14,400. 52 lines. Adults only "playground," full Internet access, World Group for Windows. Sysop: Daniel Vesely. [Exp. #141.]

Hell's Door BBS. (310)429-7070, 903-5512, 943-4729; (714)891-6083. 8-N-1, 24 hrs., up to 28,800. Eight nodes. 70,000+ files, games, multinode chat, large adult section. Free. [Exp. #141.]

Hotel California. (310)407-1300, (714)437-1492, telnet: kincyb.com . 24 hrs., 14,400–28,800. Full Internet! Games, adult GIFs, chat, forums. Low fee/no time limits. [Exp. #141.]

KBBS Los Angeles. (213)725-3047, (310)558-0145, (805)520-7323, (818)886-0872. Telnet 204.96.25.7 . 300–28,800. 116 lines. 30GB shareware, adult; chat, full Internet, Usenet, coffee meets. Free trial. [Exp. #140.]

LA Online. (213)936-1160; (310)372-4050, 445-0663; (818)577-2131; voice (310)372-9364. 8-N-1, 1200–14,400. World and local news, calendar, movie times, shopping, graphical. Always free. Sysop: [Exp. #139.]

Miller's Party Board. (310)815-0117. 300–14,400, telnet 38,800. 44 lines of pure fun! TradeWars, MajorMUD, live chat, Internet. Free trial. Sysop: Jack Stern. [Exp. #140.]

Mr. Wonderful's Lair. (213)261-8055, (818)451-0874. 24 hrs., up to 28,800. Internet, echo mail, games, shareware, adult, 12 CDs. Free 14-day account. Sysop: Mr. Wonderful. [Exp. #141 .]

Pathway BBS. (408)956-5600, (503)226-2665, (510)790-3127, (619)699-5750, (714)236-4247, (916)454-0947. 8-N-1, 1200–14,400. 16 lines. Get into the swing of things. Adults only. [Exp. #139.]

Prism BBS. (310)799-0380; (714)454-9242, 638-7249, 642-6256. 8-N-1, 24 hrs., 300–28,800. 32 lines. 4.5GB, Internet, MajorNet, TradeWars 2002, adult areas, social events. Instant access. [Exp. #141.]

213

The Artists' Gallery. (213)933-6183. 8-N-1, 2400–14,400. Casting notices, entertainment industry info and production opps., actors' pics/resumes. [Exp. #139.]

ADULTS
ONLY

for a good time,
call

SACRAMENTO (916) 454-0940
MILIPITAS (408) 956-5600
ORANGE COUNTY (714) 236-4247
SAN DIEGO (619) 699-5750
OREGON (503) 226-2665

Get access to all 5 Pathway Swinger BBS's for
as low as $9.95 Per Month. No Hidden charges

Still haven't tried the Pathway BBS? Take a look at what you're missing. Using your computer and modem, you can connect to a whole world of pleasure and communication. With 12 lines, there's no problem connecting and speeds from 1200 - 14.4k bps are supported. Once you're connected, there's plenty to do online. With 11+ gigs of files to download, our hard drives are bursting with the hottest pictures. We also have an unprecented 14 CD-ROMs online. Try our SuperChat system, where you can talk live with other users, drop by the Online Games section, or visit our Adult Shopping Emporium. For the ultimate in entertainment, pick up the West Coast Digital Disk magazine, previously available only in stores. With so much to do, why wait? Brought to you by Pathway Communications

Fremont/Newark: 510-790-3127, Southern CA: 714-236-4247, Portland: 503-226-2665, Sacramento: 916-454-0940, San Diego: 619-699-5750. Adults Only. Terminal = 8.N.1. 14 CD-ROM system available on Northern CA board.

LEGEND Graphics Online

Nation's One Stop Graphics BBS

- SuperVGA Photo Images
- Adult GIF's, MoviePICs

Download Computer Graphics of tomorrow, today!

AMEX

Modem:
(909) 689-9229
(NO per min./hrly fees)

Entertainment & Consumers Network

Live & Multi-player Games
Major Mudd
Play Doom Online & Other Modem Games
Over The Game Connection
Subscriptions start at $10 per month
including Internet
Full Internet Access (Mail, Usenet Groups, IRC, MUDS, WWW)
Slip Connection Available

Tournaments & Contests
Public & Private Chat Areas
Dating & Matchup Features
Large File Library
National Chat Services
Adults Only After 9pm
All 14.4 Modems
(300 to 14.4)

FREE TRIAL!

(310) 324-5570 Long Beach
(818) 888-3942 Simi-Westlake
(818) 760-3828 E. SFV
(310) 204-6006 (Voice)
(310) 204-6007 West LA/LA
(818) 784-3039 W. SFV
(818) 249-3989 La Crescenta
Full Internet Access Included

BBS Spotlight

By John Wolcott

Data From Database

A BBS run by a hobbyist sysop can be the best way to stretch your computer dollar, especially if you're new to BBSing. Connecting either on a free-use basis or with a minimal donation can be a great way to learn the basics. Database BBS is located in Santa Clarita, earthquake capitol of Southern California. This system has only two incoming phone lines and connecting may require some persistence. However, it is well worth the effort to access the features offered. Rather than dabbling in a little of everything, it offers strong support for downloading and message exchange.

The system runs under Wildcat v4.01 loaded on a 486 VESA local bus IBM/PC compatible sporting 16MB of RAM and ten Sony CD-ROMs. US Robotics modems finish off the package with transfer speeds up to 28,800bps.

Sysops Andy Daddario and Steve Pepin attend to system administration and technical support, respectively. Database BBS was started as a hobby, but grand plans for system expansion in the near future include Internet access for paying users. Daddario commented, "I really enjoy providing the service. The needs of the users have grown. I plan to grow with that. We just installed a 486 motherboard on the system. More phone lines will be a necessity very soon. It's really a lot of fun running this thing."

System features include a file library, newsgroups, chatting between the nodes, and online games. These features, though few, are strongly supported. The Wildcat software provides relatively simple navigation, and online help is available from any menu by typing a "?" to summon the standard Wildcat help text.

The file library is impressive, with a truckload of downloads available from the system drive and the ten CD-ROMs, including every popular freeware and shareware file imaginable. Files accessed from the system drive have been automatically virus-scanned with TranScan for your protection. All popular download protocols are supported including Zmodem, the transfer method of choice for its ability to resume transfer where it last left off if it's interrupted.

Database BBS allows users to post and read messages on over two hundred newsgroups from Usenet, Racenet, and Speednet networks. Most anything you'd care to talk about is here. Dive on into the newsgroups and express your views.

You may choose to investigate who is connected to the other incoming node and chat. System regulars exchange pleasantries and even invoke clever action commands in chat. You'll really get to know others registered on the system with this direct communication link.

Games for your modeming amusement and personal challenge include BBS Crash, TradeWars, The Pit, Time Door, and Baron Realms Elite. The online games are an excellent diversion from normal BBS and computing tasks. You may lose yourself for hours in these fantasy worlds.

Database BBS is a local call for Palmdale, Lancaster, and the San Fernando Valley. Subscription rates range from $6.00 per month to $50.00 for a full year with a two-hours-per-call access limit. Check in with Database at (805)297-6225 for some bargain BBS entertainment. ■

Copyright © 1995 by John Wolcott. All rights reserved.

BULLETIN BOARDS cont.

The Career Network BBS. (213)629-1472, 933-4999. 8-N-1, 5:30 pm–1:30 am, 2400–14,400. Hundreds of JOBS! throughout the US; your resume can reach 200+ employers monthly. Sysop: Steven McCormick. [Exp. #139.]

Game Port BBS. (213)269-9793. Hardcore videos: Japanese, Chinese, amateur, new releases. VISA/MC. [Exp. #141.]

OPAMP Technical Books BBS. (213)957-6915. 24 hrs., up to 14,400. Online book catalog (chapter headings listed), 10,000+ titles and growing. Free. [Exp. #139.]

Pacific Online. (213)344-4444. 8-N-1, 24 hrs., 14,400. Four lines. Internet email, files, 5GB system, multiplayer games, more. Free/fee. Sysop: Steve Jackson. [Exp. #139.]

Scrapted Paint BBS #2. (213)463-4264. 8-N-1, 24 hrs., 14,400. Lesbian and bicurious, gay, heterosexual adult sections, latest software. Free/fee. [Exp. #140.]

SoulPartners' Computer Online Date. (213)223-3440. 8-N-1, 24 hrs., up to 14,400. For friendship and romance/ men and women, gay, lesbian sections. 18+. Free/fee. Sysop: Maggie Lok. [Exp. #141.]

310

The Bizopps Connection. (310)677-7034. 8-N-1, 24 hrs., up to 14,400. Provides listings of business and franchise opportunities; online databases; and more. Sysop: Lawrence C. Toliver. [Exp. #141.]

CyberKnight's Castle. (310)355-0269. 24 hrs., 2400–28,800. Lots of doors, files, and play RPG games by email. Internet email. [Exp. #139 .]

CyberKorea BBS. (310)926-1899. Korean files and info, Badook-go, forums, Internet email, chat, more. $15/yr. [Exp. #140.]

The Dark Crystal BBS. (310)522-9633. 8-N-1, 24 hrs., 14,400. Messages, doors, GIFs, shareware, CD-ROMs. Free/fee. Sysop: Akira. [Exp. #140.]

The Edison BBS. (310)440-3825. 8-N-1, 22 hrs., 300–14,400. For inventors. $Join/try now!! Free. [Exp. #139.]

Fantasia Online Information Service. (310)986-9705. 8-N-1, 24 hrs., up to 28,800. The carpool lane on the Information Superhighway! Call today! Sysop: Brian Andrus. [Exp. #140.]

Frog King BBS. (310)923-3764. 8-N-1, 24 hrs., 2400–14,400. Social playground of intelligent adults; chat, email, libraries, pub areas. Free access levels. [Exp. #140.]

Health Info Online. (310)831-6775. 8-N-1, 24 hrs., 1200–28,800. For healthcare professionals, caregivers, patients, people interested in health; files, more. Free/fee. Sysops: Tom and Susan Dorsey. [Exp. #139.]

Hooper's Hollow. (310)498-3325. 8-N-1, 2400–28,800. Windows and DOS shareware, Net mail, online games and chat. Free/fee. [Exp. #139.]

Illusions Mega System. (310)804-3324. 24 hrs., 1200–14,400. Multiline, chat, games, thousands of files, network support, more! Fee. Sysop: Jim Walten. [Exp. #140.]

Mac-Hac'ers BBS. (310)549-9640 with rollover. 8-N-1, 24 hrs., 1200–28,800. 11 CD-ROMs, OneNet and Internet with satellite feed for immediate updates. Sysop: Bud Grove. [Exp. #141.]

Manhattan Online. (310)374-9994. 28,800. Four lines. Windows, DOS, and OS/2 shareware. FidoNet, Internet shell accounts. Free. Sysop: Paul Swanno. [Exp. #141 .]

Mommadillo's BBS And Breakfast. (310)438-7830. 24 hrs. v.32bis. Games, files, good conversation for your online enjoyment from beautiful Belmont Shore. [Exp. #141.]

Moon Of Endor. (310)420-2033. 24 hrs., 14,400. The hottest games including VGA-Planets and L.O.R.D. Free access. [Exp. #139.]

Networx Online. (310)337-0756. 8-N-1, 24 hrs., 14,400. Listings for business, multilevel marketing, National Home Business Consultant Network, more. Sysop: Michael Jennings. [Exp. #140.]

One World. (310)372-0987. Ecology, gardening, health, alternative news, international network. Free. [Exp. #140.]

Original Apple Corps BBS. (310)454-4660. Apple II support. Sysop: Ed Molina. [Exp. #140.]

The Reef BBS. (310)547-1551. Message based, games, file transfers, great fun! Good users. Free! Sysop: GRTWHTSHRK. [Exp. #139.]

Wah-Fah? BBS. (310)694-3557, 694-0577. 8-N-1, 24 hrs., 28,800. Many games, three CD-ROMs, general/adult areas, messages, chat. Free basic access. Sysop: Tim Young [Exp. #139.]

WorldWorks Symposium BBS. (310)312-3370 or telnet worldworks.com 28,800. Myth-busting information, conspiracy theories, how the world works. Free/fee. [Exp. #139.]

XchangeNet. (310)452-3374. 8-N-1, 300–9600. All classified ads, all free, swapmeet of everything this side of Luna. Sysop: Rex Brains. [Exp. #141.]

408

Garlique Graphics Image Center. (408)847-0665. Home of famous Garlique Ladies. Free Internet for members; adult CDs. [Exp. #140.]

Is Your Listing Missing?

Free user group and association listings are limited to the group's name, meeting information, contact name and phone number, and a ten-word description. They will be **deleted at six-month intervals** to ensure timeliness and accuracy of information.

Free BBS listings are limited to the board's name, phone number, hours, baud rates, parameters, and a ten-word description. Please let our readers know if your BBS is free or requires a fee. Because we have an ongoing problem of boards shutting down without telling us, much to the annoyance of would-be callers and the new phone number's owner alike, we will **delete these listings after they've run three months.** The notice at the end of the listing—Exp. #xxx—refers to the last issue number it will appear in unless renewed.

You can update or renew your listings at any time. If yours is missing, send your listing information to:

US Mail should go to: MicroTimes User Group, 3470 Buskirk Ave., Pleasant Hill, CA 94523. **Faxes** are welcome at (510)934-3958. **Email** can be sent to: *JohnDownen@aol.com* or MCI:MICROTIMES.

Nitelog
45 Nodes
68,000 Files
BBS
Fidonet / Internet Email
Usenet / Rime / ILink Email
DOS / WINDOWS / NT
OS2 / UNIX / MAC
& ADULT FILES
(408) 655-1096
655-8298 for 28.8k
Telnet to: 165.227.94.25
Internet services: Telnet/ Rlogin/FTP/Gopher/Whois/ Finger/Archie/more

GARLIQUE GRAPHICS
WORLD FAMOUS GIF'S
ADULT CD'S
FREE CATALOGS
SUBSCRIBE ON-LINE
408-847-0665

LIVE
33¢
p/min!
DATE LOCAL GIRLS
Home numbers!
LIVE TALK!
NO taboos!
(408)236-3311

Terminal Fantasies
A WINDOWS BBS
ShareWare INTERNET E-MAIL Danish Lovelies MultiChat
The BEST In The West
PORK-WARE Asian Ladies
FORBIDDEN SUBJECTS
West L.A 14.4: 310-915-6135
West L.A. 28.8: 310-915-6141
20 GIGS OF GIFS
Long Beach/Torrance: 310-542-8998
S.F. Valley/Burbank: 818-981-0910
Pasadena local access coming soon!
VISA/MASTERCARD WELCOME
True Windows Client/Server Multitasking means you can chat, post, EMail while viewing the Hottest GIFs in L.A.

Eden BBS The Electronic Garden
Games • Chat • E-Mail • Forums • Friends • Fun
Southern California's hottest Adult BBS!
Free 15 Day No Risk Trial
Full Internet Access
World Group for Windows
714-548-1900 • 714-530-6335 • 714-528-7226
714-472-9456 • 310-421-2420 • 310-352-4199
310-838-1707 • 909-279-2600
Telnet: edenbbs.com

BULLETIN BOARDS cont.

619

Infinities Bar And Grill BBS. (619)656-1258. 24 hrs. Science, programming, and SDCSA sysop support board. Free/fee. [Exp. #140.]

PD-SIG, The TBBS. (619)749-2741, 749-2589, 749-3432. 300–1200. Messages, games, software, email, support for IBM, Apple, Amiga, Atari, etc. Sysop: B.J. Nash. [Exp. #140.]

714

1% Homeseller BBS. (714)990-4802. 8-N-1, 24 hrs., 2400–14,400. Homes for sale in Southern California. Free. [Exp. #140.]

3 Systems In ONE. (714)776-3001, 969-9624. 8-N-1, 24 hrs., 2400–57,600. 14 lines. RIP/ANSI, chat, MajorNet forums, email, multiplayer games. Free trial. Sysop: Doug Campbell. [Exp. #141.]

The Abyss BBS. (714)373-1575. 8-N-1, 300–14,400. WWIVnet, FidoNet echos, free Internet email, messages, transfer section, games, more. Sysop: Byte. [Exp. #140.]

A Shopper's World. (714)651-1793. 8-N-1, 24 hrs., 28,800. Advertisements for computers/parts, gym equipment, houses, cars, amusement. Free! [Exp. #139.]

Budapest BBS. (714)895-4885. 8-N-1, 24 hrs., 14,400. News, ads, politics, history, language, travel, national networks, messages, trading, files. Sysop: Fred H. [Exp. #140.]

Business And Design Forum. (714)952-1164. 8-N-1, 24 hrs., 2400–14,400. Information, articles, databases, advertisements, graphics, commercial, industrial, residential. Mail-order art. Free. [Exp. #139.]

Careertek. (714)835-5908. 8-N-1, 24 hrs., 28,800. Technical community human resource service. Over 3000 current career openings. Free/fee. [Exp. #140.]

CompuRef, The SoCal Excursion. (714)855-2733. 8-N-1, 24 hrs., 14,400. Social BBS: featuring social events, public discussions, email, matchmaking, chat. Free. [Exp. #141.]

Cyborg BBS. (714)453-8925. 2400–14,400. Specializing in Novell NetWare and Windows 3.1 and NT utilities, demos, and drivers. [Exp. #140.]

Eclectic Triage BBS. (714)821-3258. 14,400. Several nets, widely diverse interests including Anime, Mods. Free. [Exp. #141.]

The Elektric KaFfEe. (714)449-9159. 24 hrs.,

Amateur Action "Live"
ONE•ON•ONE
24 hrs./day
KINKY FOREIGN PHONE SEX
18 yrs & older
10718-1604-821-7911
No long distance charges!
Just $3.99/minute.
No CC Needed

FREE! INTERNET ACCESS
On-Line Time for New Users
NOBODY ELSE MAKES IT THIS EASY!!!
CALL NOW! (via Modem) 310.421.6165 714.454.9242
FAST INTERNET E-MAIL!!! TELNET: PRISM.COM
WHY WAIT HOURS OR EVEN DAYS! FOR YOUR MAIL TO GET PICKED UP?!
SEND IT THROUGH PRISM AND HAVE IT HIT THE INTERNET IN SECONDS!!!
THOUSANDS OF USENET NEWS GROUPS!!!
Email Accounts $20/Year!
PRISM BBS has 68 lines, a ton of FILES, games like TRADEWARS2002, TeleArena, & Trivia, Live Chat and Social Events...AND
THE POWER OF AN INTERNET SHELL ACCOUNT!!!
PINE, TIN, WWW, IRC, GOPHER, ARCHIE, TELNET, FTP, & MUCH MORE!!!
Slip and PPP accounts also available!
PRISM B.B.S. Adult 18 & over
Local Call to ALL of Southern California

Amateur Action BBS
World's Largest Collection of Amateur Adult GIF Files.
Over 24,000 GIFs on line.
"The Information Super Highway"
"The Nastiest Place On Earth"
(408) 263-3393 28,800 V.FC
40 High Speed Lines
US Robotics 28,800 baud
Modems on all lines
Easy Connection! No Waiting!
VISA DISCOVER MasterCard

ARE YOU ADULT ENOUGH?
If so, join our thousands of members at
HOTEL CALIFORNIA
One of Southern California's Largest Computer Adult Bulletin Boards
We offer a wide range of online services, such as...
Over 64 Lines Available - 14.4 & 28.8
Full Internet - IRC, Telnet, FTP, WWW, etc...
50 CD Roms Online - Over 40 GB of files,
Adult Gifs, Movies, Games & Utilities
Multiplayer Games Online - Doom I & II, Heretic, MUDS
Online Matchmaking, Trivia
Up to Date News, Weather, Sports
Full access as low as $10.00 per month, no extra charges!
Free Demo Accounts!
Immediate FULL Access Via Credit Card
SET YOUR MODEM TO 8N1 AND DIAL:
(310) 407-1300
(714) 437-1492 (818) 585-1974
Telnet to kincyb.com 165.90.141.2
http://kincyb/hotelca/
For Adults Only! No one under the age of 18 admitted

BULLETIN BOARDS cont.

2400–14,400. Mutiplayer Doom, 500+ Doom files, Apogee, CD-ROM, chat, free downloads. Free trial. Sysop: Perry Crosbie. [Exp. #140.]

Exotico BBS. (714)453-9524. Adult games, stories, pictures, and an alias Internet email address. $25/year. Sysop: a female stripper. [Exp. #140.]

Happy Trails BBS. (714)547-0719. 24 hrs., 28,800. Seven lines. FidoNet, Internet, UChat, QSO, 2GB downloads. Free trial. Sysop: Don Inglehart. [Exp. #141.]

HHG BBS. (714)459-2536, 459-2537. 24 hrs. Games, files, and fun. RIME and Fido. Subscription for X-R files. [Exp. #139.]

Humpty Dumpty BBS. (714)651-8326. 8-N-1, 24 hrs., 2400–14,400. Text poems, interactive multimedia and digitized voice poems, poetics, more. Free. Sysop: Dennis Keagy, Ph.D. [Exp. #139.]

The Louvre. (714)535-1758, 535-1689. 8-N-1, 24 hrs., 14,400. Games, files, CD-ROM, messages, chat, many adult GIFs. Ratios/fee for adult access. Sysop: Dr. Jest. [Exp. #139.]

The Midnight Hour. (714)779-6124. 8-N-1, 24 hrs., 2400–14,400. Family/adult areas, games, chat, large shareware library/adult GIFs. [Exp. #140.]

The Midnight Mission BBS. (714)848-6808. 8-N-1, 24 hrs., 2400–28,800. Four lines. Large game and XX-GIF file areas. Full access with call back. Sysop: Marty Strech. [Exp. #140.]

The Orange Archives BBS. (714)532-1937. 2400–28,800. Multiple lines. 12GB of DOS, Windows, games, adult files; instant validation. No fees. [Exp. #140 .]

OrnJuce. (714)778-1228. 8-N-1, 24 hrs., 300–14,400. BBS of the All Computer Assoc. of Orange Co. Supports Atari, Mac, PC, and others. Free. [Exp. #141 .]

Red Light BBS. (714)288-0752. 24 hrs., 2400–28,800. Adult files, graphics, chat, 500 Fido message bases, user friendly. [Exp. #140.]

Runaway Zone BBS. (714)525-8743, 525-8744. 8-N-1, 24 hrs., 28,800. Classified ads, doors, MatchMaker, personals, etc. [Exp. #139.]

Shoot The Moon BBS. (714)995-1004. 8-N-1, 24 hrs., 2400–14,400. Mac, adult, CD-ROM, 13,000+ files. Always Free! [Exp. #139.]

Simply Real Estate BBS. (714)841-6941. 8-N-1, 24 hrs., 14,400. Real estate information and database of 400+ homes for sale in O.C. Free. Sysop: Dani Montoya. [Exp. #139.]

The Soft Cafe. (714)631-2001. "Find yourself, or lose yourself." Multiuser games, chats, newsgroups, more. [Exp. #141.]

Yggdrasil. (714)826-0308. 8-N-1, 23 hrs., 300–28,800. Chainmail Link, specializing in fantasy. Genealogy section, family trees. Networks. [Exp. #139.]

805

The Launch Pad BBS. (805)734-3878. Up to 28,800. Three nodes. 40+ games, files, no upload/download ratio. Free trial. Sysop: Rick Olsen. [Exp. #139.]

The New Dork Sublime BBS. (805)823-1346. 300–14,400. NIRVANAnet SoCal hub. Underground like a wild potato. Don't die wondering… Free. Sysop: Biffnix. [Exp. #139.]

SCV PC Users Group BBS. (805)297-7993, 297-7994. 24 hrs., 2400–14,400. Files, Interlec email, Wildcat BBS. Free. [Exp #140.]

818

Ace Station BBS. (818)891-0397. 24 hrs., 300–28,800. Chat, Internet, games, files, 500 CD-ROMs, new Windows interface, support. [Exp. #140.]

AEC-Online BBS. (818)360-7022, 360-3367. Windows shareware, AutoCAD utilities, 12 CDs, free Internet email, true Windows BBS. [Exp. #139.]

Atlantis, The Lost BBS. (818)452-0517. 2400–16,800. RIP, multiline chat, MajorMUD, four-person DOOM, door games, forums, fun! [Exp. #141.]

The Boat House BBS. (818)994-1627. 8-N-1, 24 hrs., 2400–14,400. Online files, door games, free public access, download on first call. Sysop: Mark Presley. [Exp. #140.]

Channel Korea. (818)240-4888. 24 hrs., 2400–14,400. Info. center, Korean forums/files, news, chat, specialized automotive info. Free trial. Sysop: Roger Kim. [Exp. #140.]

Compu-Ad Information

ASSOCIATIONS

ACM—The First Society In Computing, Los Angeles Chapter. Meetings: 1st Wed., 7:00 pm dinner, 8:00 pm program, Ramada Hotel, Culver City. For dinner reservations, (310)831-0611 ext. 2702; for program information, (818)785-5056; for membership information, (310)377-6226. [Exp. #140.]

International Interactive Communication Society. Meetings: 2nd Mon. Virtual reality, multimedia, info highway issues, and more. Call: (310) 313-5664. [Exp. #139.]

Society For Technical Communication, Orange County Chapter. A nonprofit organization dedicated to providing educational programs and networking opportunities in technical communication. Call: (714) 863-7666. [Exp. #142.]

Software Council Of Southern California. Meetings: usually 4th Wed., 6:00 pm, Long Beach Marriott, main ballroom, 4700 Airport Plaza Dr.; also breakfasts and luncheons around SoCal. A nonprofit trade association whose membership is comprised of software development organizations, as well as companies providing support and services to the local software industry. Call: Bill Manassero, (310) 328-0043. [Exp. #144.]

The Software Toolsmiths. Meetings: last Sat., 10:00 am, Joslyn Center, 339 Sheldon St., El Segundo. Discussion and tutorials on programming, including C++, Forth, J, SmallTalk, algorithms, operating systems, and hardware. Neophytes welcome. Call: John LuValle, (818) 797-8656 or email: *luvalle@primenet.com*; or Howard Rogers, (310)532-3342 (eves.). [Exp. #140.]

A Little Older, A Little Wiser...
The Motherboard
32 Lines
Social BBS,
5 Gig library
w/CD-ROMS.
Interactive
multi-player
games.
Full Live
Internet
access
Majornet Access
Noise free
digital lines.
2-week
Free Trial!
... A Whole New World Online
1-800-862-3003

7 1 4
Exotico
BBS
Adult Games, Stories,
Pictures and an alias
Internet e-mail address
600,000+ adult messages
sysop is a
female stripper
(714) 453-9524
(must be 18 or older)
only $25.00 per year, one hour a day

ADULT MODEM FUN
EASY STREET
• Never Busy 42 Lines
• 16 Gigs of Files
• The Lounge
• 40 Online Games
FULL INTERNET SERVICE
CHAT • INTERNET
FILES • GAMES • NEWS
Internet • E-Mail • Shell Access • Telnet • FTP • IRC • WWW
• Disk Space • Read News • Finger and More...
Voice 909-590-5734
Placentia 714-528-3771 Chino 909-590-4307
Anaheim 714-778-5473 Cypress 714-229-9859

Bored with Your Local BBS?
Want Something Hotter?
ODYSSEY
ONLINE
An Adult Online Service
Live Internet w/ Custom Easy-to-Use Interface!
also available by TELNET: odyssey.ody.com
• Live CHAT in Groups or Private!
• Uncensored, Nightclub Atmosphere!
• Large XXX GIF & Shareware Libraries!
• Matchmaker "Dating-Base"!
• Live Competitive Online Gaming!
• Graphical WWW Access Available!
• Local Numbers Nationwide!
Plus Much, Much, More!
Call Today by Modem
for a Number Near You!
Over 16 818-358-6968 8-N-1

BULLETIN BOARDS cont.

Network. (818)858-2763. 2400–19,200. Multiline, 11,000+ files, missing children GIFs, community info, real estate. Free. Sysop: R. Belleville. [Exp. #141.]

David's Amazing Internet Services. (818)997-7500. 24 hrs., up to 14,400. Your friendly Internet provider, now with Web pages and a faster connection. Sysop: David Dennis. [Exp. #139.]

InvestorLink. (818)331-4611. Daily and historical stock, commodity, mutual fund prices; real estate, currencies, companies. Sysop: Steve Painter. [Exp. #141.]

The Kinky Korner. (818)830-5259. 8-N-1, 24 hrs., 1200–14,400. Fido/adult networks, email files/reg. Games for all. Free/fee. Sysop: James Carrillo. [Exp. #139.]

KTB Internet Online. (818)240-4000. 8-N-1, 24 hrs., up to 28,800. Internet access (WWW, FTP, IRC, Gopher), shell, PPP/SLIP. UUCP, files. Free trial. [Exp. #141 .]

LA Free-Net. (818)776-5000. 8-N-1, 24 hrs., up to 14,400. 60 lines. Local boards, email, WWW, gopher, and more. $15/year. [Exp. #139.]

The Lair BBS. (818)286-5711. Games, shareware, conference, sign on free as full user. [Exp. #140.]

My Board BBS. (818)347-7711, 789-1776. Full Internet, interactive games, chat, MatchMaker, 3GB of files. Free trial. Sysop: Anne Kingsbury. [Exp. #140.]

Mysteria. (818)353-8891. 24 hrs., up to 28,800. General board featuring metaphysics and occult. FidoNet. Free access available. Sysop: Phil Hansford. [Exp. #139.]

The Night Line BBS. (818)284-8099. 8-N-1, 24 hrs., 2400–14,400. Games, files, messages, adult, programming, two CD-ROMs, technical support. Free. Sysop: Malasie. [Exp. #139.]

Open Mind Discussion Club. (818)758-9348. 24 hrs. Discussions of current and topical events. No fees! Sysop: Bill Greenland. [Exp. #141.]

The SLATE BBS. (818)763-9172. 8-N-1, 24 hrs., 300–14,400. Sports, law, tons of everything, files, original games, and more. Free. Sysop: Rob Reed. [Exp. #139.]

Virtuoso OnLine. (818)543-0416. 8-N-1, 24 hrs., 300–14,400. TLAN and TFNet conferences, adult, Mac, PC, chat, thousands of files. Free. Sysop: Ivan Thomson. [Exp. #140.]

Wizardry BBS. (818)222-4444. 2400–14,400. Online games, downloads, uploads, adult GIF and text files. Free. [Exp. #141.]

909

The Berean University. (909)947-2278. 8-N-1, 24 hrs., 14,400. Large message base, logic/philosophy/technical, games, files, more! Free access. [Exp. #140.]

Data Connection. (909)698-7257. 8-N-1, 24 hrs., 28,800. Multiline. Internet, weather, USA Today, 12 CDs, adult. Fee. Sysop: Dennis Clark. [Exp. #139.]

The Empire BBS: The Next Generation. (909)946-1448. 8-N-1, 24 hrs., 300–14,400. Multiline chat, all welcome, matchmaker, flower shop, files. From $2.50/month. Sysop: Tigana and Emperor. [Exp. #141.]

The French Connection BBS. (909)428-7648. 24 hrs., Eight lines. California's largest adults-only BBS. View GIFs online in Windows. Sysop: Christopher Moss. [Exp. #141.]

Inland Sports BBS. (909)789-2978. 8-N-1, 24 hrs., 28,800. SoCal sports BBS and more! 67,000+ files, huge door selection, animated menus. [Exp. #139.]

Legend Graphics OnLine. (909)689-9229. 24 hrs. 20 lines. SuperVGA photo images, MoviePICs, huge adults-only file areas. Sysop: [Exp. #141.]

The Library! BBS. (909)780-6365. GIFs, files, games, crafting, Wildnet, ASP. Windows, DOS, OS/2 shareware. Free. Sysop: Kim Martin [Exp. #139.]

Sidewinder BBS. (909)352-1773. 24 hrs., 2400–14,400. Email, files, no fees. Sysop: Sundown. [Exp. #140.]

Spaceport Bastille BBS. (909)877-3923. 8-N-1, 24 hrs., 1200–38,400. 1GB online: games, messages base, RPGs; Amiga, IBM, adult files. Free. Sysop: Capt. Worf. [Exp. #139.]

Spectrum Online Services. (909)396-9117. 24 hrs., 14,400. Chat, email, interactive games such as Doom and Business Advertising. Free limited access. [Exp. #140.]

TDT Online! (909)595-4050, 598-0036. 8-N-1, 24 hrs., 2400–28,800. Internet email, Usenets, 15 CDs, huge adult section. Fee. [Exp. #141.]

LOW COST ACCESS
INTERNET
SLIP FTP TELNET IRC EMAIL WWW USENET

Fast, easy, unmetered INTERNET access for your home or business! We'll give you all the software you need to surf the net, interact with others, or dazzle your friends or clients with your very own WEB PAGE!

After your surf, you'll have a blast on our new multi-media BBS, where you can chat with others, view their pictures, hear their voices, and download a file... all at the same time! That's not all --- you can play DOOM or Heritic with other callers, settle back for a relaxing game of Trivia, or enjoy many other features!

http://kbbs.kbbsnet.com

KBBS Online

RATES AS LOW AS $17/mo

VOICE (818) 886-9457
ISDN (818) 727-9218
MODEM 300-28,800 Baud: (818) 886-0872 (310) 558-0145 (213) 725-3047 (805) 520-7323
E-MAIL sysop@kbbs com
TELNET 204.96.25.7

WORLD-CHAT FILES GAMES EVENTS MATCH
MULTIMEDIA

ARE YOU TRIPPED UP BY COMPUTER LANGUAGE?

READ MICROTIMES AND GET A GRIP.

MICROTIMES™

USER GROUPS

AMIGA

Amiga Users Group Of Long Beach. Meetings: 1st Thurs., 7:00 pm, Fire Station Bldg., 5373 E. Second St., Belmont Shores. All persons with an interest in the Amiga computer welcome. Free. [Exp. #143.]

ATUG—San Gabriel Valley. Meetings: last Tues., 7:00 pm, Michelangelo's Pizza, San Dimas; 3rd Sat., 11:00 am, 1st Southern Baptist Church, Temple City. Call: Steve Ward, (818)285-6424. [Exp. #140.]

APPLE

Champions Of The Mac Proletariat (CHOMP). Meetings: 4th Thurs., 7:00 pm, Cal Poly Pomona, CLA Bldg., Rm. P2-7, Pomona. Call: Craig Richards (909)985-7385 or Mitch Cohen, (909)598-5766. [Exp. #144.]

Orange Apple Computer Club. Meetings: 1st Sat., 8:00 am, Chemistry Bldg., Orange Coast College, 2701 Fairview Rd., Costa Mesa. Apple II and Mac users, various SIGs. Call: (714)770-1865, or S.W. Hosey (714)962-3893. [Exp. #142.]

Original Apple Corps. Meetings: 2nd Sun., West LA area. Apple II and Mac users group. Support for beginners through experts. Call: Fred Duffy, (310)450-3336. [Exp. #143.]

ATARI

All Computer Association Of Orange County. Meetings: 2nd Sun., 1:00 pm, 12860 Euclid Ave., Garden Grove (next to Black Angus). Supporting Atari, Macintosh, PC, and other computer systems. Call: (714)265-9357. [Exp. #144.]

ATESIG—Atari 8-Bit SIG. Meetings: 145 Surf Pl., Seal Beach. Cooperative user group for model railroad applications. Call: (310)430-5433. [Exp. #139.]

South Bay All Computer Enthusiasts. Meetings: 2nd Tues., 7:30 pm, VFW Hall, 1865 Lomita Blvd., Lomita (1 block W of Western). All skill levels. Call: Danny or Mary, (310)834-0040. [Exp. #143.]

CAD

Los Angeles AutoCAD User Group—LAAUG. Meetings: 4th Wed., 6:30 pm, Burbank Board of Realtor's, 2006 W. Magnolia Blvd., 2nd Floor, Burbank. Newsletter, BBS, tutorials, 3D SIG; $50/year or $10 at door. Call: Michael Berman, (818)762-9966. [Exp. #140.]

COMMODORE

CHLB—Commodore Helpers of Long Beach. Meetings: 2nd Sat., 9:00 am., Community Presbyterian Church, 6380 Orange Ave., Long Beach. Newsletter, large library, monthly disks. Call: Herb, (310)429-8998. [Exp. #143.]

Orange County Commodore Club. Meetings: 4th Sat., 11:00 am, Costa Mesa Public Library, 1855 Park Ave., Costa Mesa. Call: Mike Moore, (714)668-9715. [Exp. #144.]

San Fernando Valley Commodore 64/128 Users Group. Meetings: 1st Tues., 7:00 pm, Balboa Park Recreation Center, Rm. 2, Balboa and Burbank blvds., Encino. Call: Paul Kroll, (818)892-3859. [Exp. #142.]

South Bay Commodore Users Group. Meetings: 3rd Thurs, 7:00 pm, So. Cal. Edison Generating Station, 1100 Harbor Dr. (across from King Yacht Harbor), Redondo Beach. Call: Dorothy, (310)323-9265. [Exp. #143.]

FRAMEMAKER

Orange County FrameMaker Users Network (OCFUN). Meetings: 3rd Thurs., 6:00 pm. Call: Marge Packman, (714)798-1230 or *mpackman@cisco.com* . [Exp. #144.]

IBM AND COMPATIBLES

All Computer Association Of Orange County. Meetings: 2nd Sun., 1:00 pm, 12860 Euclid Ave., Garden Grove (next to Black Angus). Supporting Atari, Macintosh, PC, and other computer systems. Call: (714)265-9357. [Exp. #144.]

Channel Islands PC User Group. Meetings: 1st Sat., 9:30 am, Freedom Center, 515 Eubanks St., Camarillo (at Camarillo airport). Covers DOS, Windows, OS/2. Visitors welcome, no charge, PO Box 5025, Oxnard, CA 93031. Email: *dviolini@rain.org* . [Exp. #144.]

Greater South Bay PC Users Group. Meetings: 2nd Thurs., 7:30 pm, Torrance Recreation Center, behind Torrance main library. Call: (310)335-2799. [Exp. #144.]

Long Beach IBM PC And Compatibles Users Group. Meetings: 3rd Wed., 7:00 pm, Masonic Temple, 5155 E. Pacific Coast Hwy., Long Beach. Novice and experienced welcome, BBS, public domain library, newsletter, SIGs. $25/year, $35 for families. Call: Jim Wells, (213)439-7114. [Exp. #141.]

Los Angeles Computer Society. Meetings: 2nd Tues., 7:00 pm, Robert Frost Auditorium, Culver City High School, 4401 Elenda St., Culver City. Vendor presentations, free software, special interest groups, BBS. Call: (310)471-2726. [Exp. #143.]

Microsoft Foundation Classes User's Group. Meetings: 2nd and 4th Tues., 6:30 pm, 201 W. Hilliard Ave., Monterey Park. Call: Fook H. Eng, (818)572-9220. [Exp. #144.]

Orange Coast IBM PC User Group. 1520 Brookhollow, Suite 38, Santa Ana. Speakers, BBS, software library, newsletter, and SIGs. Everyone welcome. Call: (714)662-2939. [Exp. #143.]

Orange County IBM PC Users Group. Meetings: 2nd Tues., 6:30 pm. Speakers, software, newsletter, BBS. Open to public, all welcome. Call: (714)990-0580. [Exp. #139.]

Pasadena IBM Users Group. Meetings: 3rd Wed., 7:00 pm, 2184 N. Lake Ave., Altadena. Speakers on hardware/software, demonstrations, SIGs, library, newsletter, and BBS. Call: Steve Bass, (818)791-1300. [Exp. #141.]

San Bernardino Personal Computer User Group. Meetings: 1st Wed., 6:30 pm, CSU, Jack Brown Bldg., Rm. 285, San Bernardino. All PC users are welcome to come share information and ideas. Call: Mary Kehew, (909)882-3653 or Dan Sheffield, (909)797-9112. [Exp. #141.]

SCV PC-Group. Meetings: 2nd Wed., 7:00 pm, Valencia Town Center Community Room. Call: (805)298-1680. [Exp. #140.]

South Bay All Computer Enthusiasts. Meetings: 2nd Tues., 7:30 pm, VFW Hall, 1865 Lomita Blvd., Lomita (1 block W of Western). All skill levels. Call: Danny or Mary, (310)834-0040. [Exp. #143.]

Southern California Computer Society. Meetings: 4th Tues., 7:00 pm, Farmers & Merchants Bank, 12535 Seal Beach Blvd., Los Alamitos. We welcome all who are interested in IBM and compatible computers; BBS and newsletter. $15/yr. Call: Hank Burwash, (310)596-9670. [Exp. #141.]

Thousand Oaks Personal Computer Club (TOPCC). Meetings: 4th Thurs., 6:30 pm, Goebel Senior Center, 1385 E. Janss Rd., Thousand Oaks. Programs are targeted at novice to expert levels of computer knowledge. Call: (805)494-8675. [Exp. #144.]

Tug-Net. Meetings: 1st four Thurs. 7:00 pm, Glendale Federal Bank, 7119 Topanga Canyon Blvd., Canoga Park. Visitors free. Ample parking. Call: (818)249-1629 or 884-9441. [Exp. #139.]

Valley Computer Club. Meetings: 1st Wed., 7:00 pm, Burbank Board of Realtors Bldg., rear entrance, 2006 W. Magnolia, Burbank. BBS, PD library, SIGs, newsletter. All welcome. Call: Estella McClintock, (818)848-1948; or Grayce Hruda, (818)842-3707. [Exp. #143.]

Valley IBM Compatible Users Group (VICUG). Meetings: 3rd Fri., 7:00 pm, State Bldg., 6150 Van Nuys Blvd., Van Nuys. Call: Harry Tischler, (818)997-1470. [Exp. #144.]

KAYPRO

KAYOS Kaypro User Group. Meetings: 4th Mon. of even months, 6:00 pm, El Segundo Library, Mariposa and Richmond streets. Call: (310)379-8339. [Exp. #144.]

MACINTOSH

All Computer Association Of Orange County. Meetings: 2nd Sun., 1:00 pm, 12860 Euclid Ave., Garden Grove (next to Black Angus). Supporting Atari, Macintosh, PC, and other computer systems. Call: (714)265-9357. [Exp. #144.]

Champions Of The Mac Proletariat (CHOMP). Meetings: 4th Thurs., 7:00 pm, Cal Poly Pomona, CLA Bldg., Rm. P2-7, Pomona. Call: Craig Richards, (909)985-7385 or Mitch Cohen, (909)598-5766. [Exp. #144.]

Long Beach Chapter Of LAMG. Meetings: 1st Tues., 6:00 pm, Signal Hill Elementary School Auditorium, 2285 Walnut, Signal Hill. Presentations, Q&A, diverse group of new and experienced Macintosh users. Call: Roger Kroll, (310)433-9818. [Exp. #140.]

Orange Apple Computer Club. Meetings: 1st Sat., 8:00 am, Chemistry Bldg., Orange Coast College, 2701 Fairview Rd., Costa Mesa. Apple II and Mac users. Various SIGs. Call: (714)770-1865 or S.W. Hosey (714)962-3893. [Exp. #142.]

Original Apple Corps. Meetings: 2nd Sun., West LA area. Apple II and Mac user group. Support for beginners through experts. Call: Fred Duffy, (310)450-3336. [Exp. #143.]

QMUG/LA, The Lesbian, Gay, Bisexual Macintosh User's Group. Meetings: 2nd Mon., 7:30 pm, Los Angeles Gay and Lesbian Community Services Center, 1625 N. Schrader Blvd., Los Angeles. Social, business, and technical network for lesbian, gay, and bisexual Mac users. Call: (213)222-7684 or *QMUG-LA@pop.com* . [Exp. #144.]

South Bay All Computer Enthusiasts. Meetings: 2nd Tues., 7:30 pm, VFW Hall, 1865 Lomita Blvd., Lomita (1 block W of Western). All skill levels. Call: Danny or Mary, (310)834-0040. [Exp. #143.]

South Bay Apple Mac User Group. Meetings: Last Wed., 8:00 pm, Knob Hill Community Center, 320 Knob Hill, Redondo Beach. Newsletter, PD library, demos, and raffles. Call: (310)644-3315. [Exp. #144.]

Southern California Macintosh Owners/Users Group (SMOG). Meetings: 2nd Sat., 10:00 am, Western Digital Bldg., off 405 Freeway at Irvine Center Dr., Irvine. Speakers, product demos, Q&A, PD disks. All skill levels. Call: Dani Maloy, (909)698-7737. [Exp. #139.]

NETWORKING

Los Angeles NetWare Users Group (LANet). Meetings: 4th Tues., 6:30 pm, Novell, 11300 W. Olympic Blvd. at Sawtelle, 9th Floor, West LA. Vendor presentations and open forum. Call: LANet, 1-800-60-LANET. [Exp. #144.]

OCNET—Orange County NetWare Users Group. Meetings: 2nd Tues. 6:30 pm and 4th Tues. 11:00 am, Novell, 18101 Von Karman, Suite 500, Irvine. Specializes in Novell NetWare solutions. Call: 1-800-532-7268. [Exp. #143.]

PARADOX

Orange Co. Chapter, LA Paradox User's Group (LAPALs). Meetings: 3rd Wed., 7:00 pm, Newport Beach Fire Dept., 475 32nd St., Newport Beach. Presentations, Q&A. etc. for Paradox (DOS/Windows) users and developers. Call: Glenn Jones, (310)490-2092. [Exp. #142.]

TANDY

San Gabriel Valley Tandy User's Group. Meetings: 2nd Fri., 7:00 pm, Arcadia Park Senior Citizen's Center, 405 S. Santa Anita Ave., Arcadia. Support for Tandy and IBM compatibles, BBS, newsletter, RAM session. Call: Jack Nock, (818)578-0411. [Exp. #140.]

UNIX

UUASC, The UNIX User's Association Of Southern California. Meetings: 2nd Mon., 7:00 pm. For all people using all flavors of UNIX; presentations, discussions. Call: Larry, (714)526-4347. [Exp. #142.]

WINDOWS

WINNERS—WINdows usERS. Meetings: 2nd Sat., 9:00 am, Orange Coast College Chemistry #214, 2701 Fairview, Costa Mesa. Great speakers, help for Windows and Windows applications. Beginners, experts welcomed. Call: (714)542-0468. [Exp. #143.]

Palmtops *continued from page 52*

would take to learn the commands in the system, but care seems to have been taken to make the interface user-friendly and intuitive. The tone of the system is much like having a conversation. Wildfire prompts you for information and you provide it, one answer at a time; the interaction can even seem a little eerie, as though you're talking to a human being (or at least this is how it seemed from the demonstration).

Although Wildfire only handles voice messages at the moment (it won't read your email to you—that would really be great), and it is only accessible if you happen to be near a phone (today, generally speaking, not a problem), I think it represents an intriguing approach to portable computing which may well have increasing utility in the future.

The basic model of portable computing has been to put all the power into the portable computer itself. However, it's precisely in the portable computer where certain high-end, processor-intensive technologies such as voice recognition can really pay off. By placing some (or in this case, all) of this processing in a central server, you can make the traveller a lot more productive without having to have that person lug around the kind of processing power it would take to implement something like voice recognition. In this case, Wildfire is implemented as a voice-only system, so the client computer is basically just the air (or the microphone in your phone), but one could imagine a similar design in which processing power is split between a client and the server in a variety of ways.

Much has been said about the virtues of distributed computing, yet the fact is that as networks proliferate, there will be cost advantages to putting a lot of horsepower into a central location. Distributing processing tasks between a portable computer and a server over a wireless or other type of network could provide many advantages: access to vastly greater amounts of information as well as remote computational power. In any case, the clever design of the Wildfire Electronic Assistant may well prove to be a precursor to a wide variety of similar server-based portable technologies.

On the downside, distributed computing tends to have a communication cost which is difficult to ignore. Wildfire is not there all the time, every day; it's "portable," but you have to give it a call before it can work for you. The system does not yet integrate email, thus its utility in coordinating all of your communications is inherently limited.

Wildfire is currently only available in server configurations intended for large corporations. A four-port system which supports around eighteen users costs $50,000, and a twelve-port system supporting up to seventy-two users costs $100,000. This is not an inexpensive technology, although the per-user cost can be as low as around $2K. As time goes on, however, this client-server approach to enhanced portable computing and messaging could catch on, particularly as the cost drops. It's an interesting, though still somewhat expensive, technology, and well worth watching. The size is right, at least. ■

Copyright © 1995 by Mitsu Hadeishi. All rights reserved.

RESOURCES

Fujitsu Poqet PC
California Digital
1-800-717-4232.
Wildfire Electronic Assistant
Wildfire, Inc.
For a demonstration, call 1-800-WILDFIRE.

COMPUTER LIQUIDATION CENTER
714/895-5802
FAX: 714/897-9498

UP TO 75% OFF SUGGESTED RETAIL

ATTN: AST POWER EXC NOTEBOOK OWNERS!
CONVERT YOUR POWER EXC 386 or 486 MONOCHROME TO ACTIVE COLOR or PASSIVE COLOR!!
- Passive Color $595 (Trade-in Price
- Active Color for 386 $795 (Trade-in Price)
- Active Color for 486 $995 (Trade-in Price)
WE DO THE INSTALLATION
w/NO CHARGE
CALL FOR APPOINTMENT!

SPECIAL!
Logitech/Dexxa Scanner For DOS & Windows, 400 DPI, 4 Inch Wide
Includes:
√ Omnipage OCR
√ Fototouch (Auto Stitching Program)
$39.95 while product lasts

AST PARTS FOR NOTEBOOKS

200Meg Removable Hard Drive	$395
4 Meg RAM For Premium Exc/Power Exc	$195
Battery For Premium Exc/Power Exc	$45/$65
AC Adapter Premium Exc/Power Exc	$75/$55
Battery For Bravo Notebook	$65
External Battery Charger For Premium Exc	$35
Trackball For Power Exc - Gray	$45
Car Adapter Premium Exc/Power Exc	$65
Pen Exc Battery	$65
Mini Docking Station - Power Exc	$75
Docking Station - Power Exc	$275
Power Exc Notebook Hard Drive	CALL
Grid Car Adapter	$75
Grid Battery	$65
Pen Essentials	$49.95

FOR OTHER AST PARTS PLEASE CALL BY PART NO.!
For Quantity Pricing Call!
For Any Others-
Fax Your Request!
714/897-9498

THIS MONTH's SPECIAL
LOGITECH SCANMAN EASY TOUCH FOR NOTEBOOKS, LAPTOPS & DESKTOPS-BULK
√ Parallel Scanner, 400DPI, 4" Wide
√ 256 True Gray Scale
√ 90 Days CLC Warranty
√ Includes Fototouch & Omnipage OCR
Street Price: ~~$105~~
OUR PRICE Qty. 1 $95

LOGITECH PRODUCTS
90 DAYS CLC WARRANTY

SCANMAN MODEL 256
FOR WINDOWS
√ 400 DPI, 4" Wide, True 256 Gray Scale
√ Includes Fototouch & OCR $75

SCANMAN COLOR
FOR WINDOWS
√ 400 DPI, 4" Wide, COLOR SCANNER
√ Software for Color (Fototouch) & OCR $145

LOGITECH FOTOMAN PLUS-
RETAIL BOX FOR IBM & MACINTOSH BOTH!
Includes:
√ Digital Darkroom
√ Camera, Host Adapter
√ Battery Charger, Software $295

LOGITECH

	STREET PRICE	OUR PRICE
• Trackman II	~~$77~~	$45
• Trackman Portable	~~$39~~	$15
• First Mouse - 3 Button	~~$29~~	$20
• Mouseman Serial	~~$69~~	$35
• Mouseman II - Serial	~~$89~~	$39.95
• Mouseman II - For Lefty	~~$89~~	$39.95
• Trackman Voyager	~~$59~~	$29.95
• Cordless Mouse	~~$87~~	$55
• Kidz Mouse for Mac	~~$29~~	$10
• Audioman	~~$75~~	$15

To Order, Please CALL in Advance
WILL CALL or SHIP ONLY!
5332 Industrial Dr., Huntington Beach, CA 92649
HOURS: M–F 9 a.m. to 5 p.m.
Prices & Availability Subject To Change.

YOUR #1 AST SPARE PARTS DISTRIBUTOR IN SOUTHERN CALIFORNIA

•••NOTICE•••
ACP's 68th GIANT
COMPUTER SWAP MEET
Sunday
July 30th, 8-2
Orange County's Original!
FREE Admission and Parking
100's of Sellers 'n Deals
in the Huge Parking Lot
Advanced Computer Products, Inc.
ACP
SUPER★STORE
Since 1976
1310 E. Edinger
Santa Ana • 714-558-8813
Some Dealer Space Still Available...Call Mary

SALE • UPGRADE • REPAIR • DATA RECOVERY • INSTALLATION

We Have What You Need!

MONTHLY SPECIAL

486DX2-66/DX-80/DX4-100MHz

- 4MB Memory, 70ns
- 1.44FDD
- 3 Button Mouse
- IDE I/O 2 Serial/1 Parallel/1 Game Port
- SVGA w/1MB RAM
- SVGA 14" Monitor N.I.
- 101 Enhanced Keyboard
- Minitower w/Digital
- 540MB HDD

$749/$769/$779

VESA LOCAL BUS SYSTEM

MONTHLY SPECIAL

IBM 486SLC2-66

- IBM Manufactured Motherboards
- 4MB Memory, 70ns
- 1.44FDD
- 3 Button Mouse
- IDE I/O 2 Serial/1 Parallel/1 Game Port
- SVGA w/1MB RAM
- SVGA 14" Monitor N.I.
- 101 Enhanced Keyboard
- Minitower w/Digital
- 540MB HDD

$699

VESA LOCAL BUS SYSTEM

MONTHLY SPECIAL

PENTIUM 90/100/120MHz

- 8MB Memory, 70ns
- 1.44FDD
- 3 Button Mouse
- IDE I/O 2 Serial/1 Parallel/1 Game Port
- SVGA w/1MB RAM
- SVGA 14" Monitor N.I.
- 101 Enhanced Keyboard
- Midtower w/Digital
- 540MB HDD

$1199/$1269/$1599

intel inside

Super Sale!

SVGA .28dp N.I. MONITOR

ONLY $169

MULTIMEDIA KIT CD 16

CD-ROM • Sound Blaster

12 CD Titles + Speaker

ONLY $205

SYSTEM UPGRADE

SYSTEM UPGRADE ANY 286 or 386 TO

* 486SLC/66MHz VLB	$149
* 486DX2/66MHz VLB	$199
* 486DX-80/DX4-100MHz VLB	$209/$229
* PCI 90MHz	$519
* PCI 100MHz	$595

FREE LABOR

BUY • SELL • TRADE-IN—NEW/USED HARD DRIVES

REPAIR CAPACITY	PRICE	REPAIR CAPACITY	PRICE
20-39MB	$35	200-299MB	$90
40-49MB	$50	300-399MB	$100
50-89MB	$65	400-499MB	$110
90-159MB	$75	500-679MB	$125
160-199MB	$80	700-1GB	$155

MONITOR REPAIR

WE BUY NON-WORKING VGA MONITORS ONLY

MONITOR REPAIR	PRICE
Any Mono	$39
Any CGA or EGA	$55
Any VGA or SVGA	$65
Any Multisync 12" & 14"	$85
Any Terminal	$65
Any 15" Monitor	$100
Any 17", 19", 21"	$200

CRT AND FLYBACKS EXCLUDED

FREE Pick-up & Delivery in O.C. if more than Five Monitors

MONITORS

Shamrock 17",.28dpi	$519
Shamrock 15",.28dpi	$295
Shamrock 14",.28dpi	$205
14" .28dpi SVGA	$169

HARD DRIVES

540MB	$165
850MB	$225
1GIG	$309

FLOPPY DRIVES

1.2 FDD	$39
1.44 FDD	$29

CPU

486DX-33MHz	CALL
486DX-66MHz	CALL

ADD-ON CARDS

32 Bit VL-Bus IDE I/O	$25
32 Bit VL-Bus SVGA Card	$79
16 Bit IDE I/O	$15
16 Bit SVGA Card	$65

CASES + POWER SUPPLY

Mini Tower w/230 Watt	$35
Mid Tower w/230 Watt	$59
Full Tower w/250 Watt	$79

TAPE BACKUP

Colorado 250MB	$159
Conner 250MB	$159

FAX/MODEM

14.4K V.32, V.42 Bit	$59
14.4K w/Voice Mail	$69

NETWORK SOLUTION

- Complete Novell Netware Installation
- Network Cable Installation
- Network Maintenance Contracts
  - $750 (10 Hrs., 1 year)
  - $1400 (20 Hrs., 1 Year)
  - $1950 (30 Hrs., 1 Year)
- Complete Service and Support!

NOVELL

Netware 3.12 5/10 Users	$540/1150
Netware 3.12 25/50 Users	$1650/2000
Netware 4.1 5/10 Users	$649/1090
Netware 4.1 10/25 Users	$1650/2100

NETWORK CARD

NE2000 Novell Compatible & Certified - Jumperless
NE2000 PCI Compatible & Certified - Jumperless
NE2000 VL Compatible & Certified - Jumperless (Combo RJ45 & BNC)

NETWORK HUB

10Base-T RJ45 SNMP Intelligent Hub 8 Port/16 Port $795/1195
Software Included - Windows 3.11 TCP/IP Socket
10Base-T Cheap Hub BNC/AUI 4/8/16 Port Hub

SPECIAL PRODUCTS

VGA Splitter 1 to 2, 4, 8 Port
VGA to RGB Converter
VGA to VGA and RGB Splitter
Sunworkstation and VGA Converter
Macintosh to VGA Converter

DATA RECOVERY

CAPACITY	MFM/RLL/IDE ESDI/SCSI	CAPACITY	MFM/RLL/IDE ESDI/SCSI
20-39MB	$250	200-299MB	$500
40-49MB	$300	300-399MB	$550
50-89MB	$350	400-499MB	$600
90-159MB	$400	500-679MB	$650
160-199MB	$450	700-1GB	$850

Specialize in Mac, DOS, Novell.
Data Recovery Includes: Repair of the Drive.
No Charge If We Are Unable to Recover Data.
For Fast, Successful Results Call ProComputer.
24-Hour Turnaround Available

MEMORY & CPU

WE BUY & TRADE-IN NEW & USED MEMORY & CPU

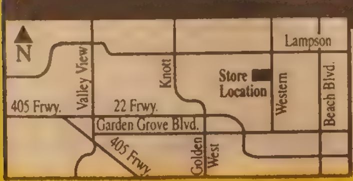
SYSTEM REPAIR

We Will Solve Any Problem On Your System!

$40 + Parts

We install CD-ROMs, HARD DRIVES, FLOPPY DRIVES, SCANNERS, MEMORY & MORE!

PRO COMPUTER COMPANY



12761 Western Ave., Suite B, Garden Grove, CA 92641
TEL: 714/891-8293 • FAX: 714/891-3269

Prices and specifications are subject to change w/out notice. 15% Restocking fee on returned items.

ONE YEAR WARRANTY
PARTS & LIFETIME
WARRANTY LABOR

Business Hours:
Mon.–Fri. 9:00–6:00
Sat. 10:00–2:00

Web Page Listings

continued from page 109

Videomaker's Camcorder & Desktop Video *http://www.videomaker.com* High-quality, up-to-date information on video production and distribution to democratize and enrich television. [Exp. #141.]

Vinko Kojundzic's Home Page *http://maja.zems.fer.hr/~vkojun* This is a home page with nice pictures of Zagreb and a link to our official WWW server. [Exp. #140.]

Virtual Vegas *http://www.virtualvegas.com* Virtual Vegas brings fun, entertainment, contests, prizes, and more. You can virtually gamble here—stay tuned! [Exp. #141.]

Virtual Vineyards *http://www.virtualvin.com* Learn about the delights of great wine, discover your wine tastes, buy carefully selected wines. [Exp. #141.]

Visionware Home Page *http://www.visionware.com/* PC/UNIX connectivity products: PC X-Servers, terminal emulators, ODBC solutions, and free software demos! [Exp. #140.]

Visual Engineering's Ovation Web Page *http://www.cdrom.com/pub/viseng/* This site features Ovation, a UNIX presentation package. Release 2.0 includes HTML export and PowerPoint import! [Exp. #143.]

Voyager Company *http://www.voyagerco.com* Laurie Anderson, the *Paris Review*, the Guerrilla Girls, monthly opinion feature; demos, simulations from Voyager products. [Exp. #142.]

Walnut Creek CDROM *http://www.cdrom.com* Publisher of over 50 CD-ROM titles and host of the busiest ftp site on the Internet. [Exp. #141.]

Walt Perko's Home Page *http://slip.net/~wperko* See pics of CD-ROMs: 10,000 Sounds & Songs, and MegaMODMadNess vol. 1. [Exp. #140.]

Wave Action Surf Magazine *http://www.waveaction.com/mag* Surfing from around the globe featuring photos of some of the world's best new school surfers. [Exp. #144.]

The Wave Network *http://www.wavenet.com* The Wave Network provides fast, reliable Internet access and Web design to Los Angeles. (213)933-9283. [Exp. #142.]

Web Books—Online Bookseller and Special Services *http://www.primenet.com/~jculp/* Online bookseller with specialties in the areas of sexuality, censorship/conspiracy, and sports. Special free services. [Exp. #142.]

WebChat *http://www.IRSociety/WebChat.html* Real-time, multimedia chatting on the WWW. [Exp. #139.]

Web Communications Corp. Home Page *http://www.webcom.com/* Self-service, value-added, inexpensive WWW publishing services. [Exp. #141.]

Webs Are Us *http://www.websrus.com* The Internet experts for design, servicing, monitoring, and hosting your business presence on the WWW. [Exp. #142.]

Web World *http://204.188.129.2/netbiz/webworld.html* or *http://voyager.via.net/netbiz/webworld.html* The World Wide Web home page directory. Access any listed page with one mouse click. [Exp. #140.]

Welcome to WOL on the Web *http://www.cris.com/WOL* The home of *Windows OnLine* and the *WinOnLine Review* (online magazines) commercial and shareware reviews. [Exp. #140.]

Wellness Essentials *http://voyager.via.net/netbiz/weles.html* The home page of wellness information and nutritional products and more. [Exp. #141.]

What's New in Travel *http://voyager.via.net/netbiz/travel.html* The place to get "freebies," info, discounts, and hot travel deals. [Exp. #141.]

WH Networks *http://www.whnet.com/wolfgang* Connecting Minds, data communications archive. [Exp. #140.]

World Conquest *http://dnai.com/~conquest* Popular two- to twelve-player wargame (WWII) w/GUI (shareware), hourly turn processing. [Exp. #140.]

The World Square *http://www.w2.com* "Virtual mall" with companies doing business in music, art, publishing, food, finance, automobiles, health, and medicine. [Exp. #142.]

Writer's Showcase *http://community.net/~necknox* Tells about the author and book on disk called *Fatal Image*. [Exp. #140.]

XROADS *http://xroads.wr.usgs.gov/Welcome.html* Links to US Geological Survey Web sites. A way to learn about earth science and the USGS. [Exp. #143.]

Yoga Fitness *http://www.iyouga.com/yf/* Yoga Fitness is the premier Iyengar yoga studio in the South Bay. [Exp. #144.]

you@here.now *http://www.webcom.com/~blessed* Interactive philosophical site that allows you to share your contemporaneous thoughts with your fellow beings. [Exp. #140.]

ZIPZAP Universe *http://zipzap.com* Home to the ZIPZAP Gallery, *Deep Style* Magazine, ZIPZAP e-zine, and the ZIPZAP Universe BBS. [Exp. #140.]

The Z Times *http://www.lh.com/z* National Association of Broadcasters 95 show report, St. Stupid Day Parade in San Francisco, links to unusual sites. [Exp. #142.]

COMPAQ IBM Business Partner HEWLETT PACKARD Authorized Dealer AST COMPUTER TOSHIBA NEC EPSON®

HOT SUMMER SALE!

NOTEBOOKS

COMPAQ

Contura Aero 4/33C w/ext Flpy Dr	$1150
Contura 420C DX4/75 8/420	2382
Contura 430C DX4/100 8/700	2748
LTE Elite 4/75CX 8/510 W/Smart Station	4263

IBM

ThinkPad 755CD DX4/100 8/540	$5271
ThinkPad 755CE DX4/100 8/540	4315
ThinkPad 755CX P/75 8/540	5439
ThinkPad 701C DX4/75 8/360	4220
ThinkPad 701CS DX4/75 8/360	3470
ThinkPad 701CS DX4/75 8/540	3751
ThinkPad 701C DX4/75 8/540	4501

TOSHIBA

Protégé 610C P90 8/720	$4230
T2100CS DX4/75 4/350	2130
T2130CT DX4/75 8/520	2969
T2100CT DX2/50 8/350	2632
T2150CDT DX4/75 8/500/CD	3599
T2450CT DX4/75 8/500	3050
T4850CT DX4/75 8/810	3389
Satellite Pro 400 CDT P75 8/810/CD	4650

NOTEBOOKS

HEWLETT PACKARD

OmniBook 4000CT DX4/100 8/340	$2726
OmniBook 4000CT DX4/100 8/520	$3045
OmniBook 600C DX4/75 8/260	2890
HP 200 LX PalmTop w/2MB	605

NEC

Versa 2000D DX4/45 4/350	$1835
Versa 2000C DX4/75 8/540/14.4 Fax Mdm	2565
Versa M/75D 8/340	2382
Versa P/75C 8/340	3940
Versa P/75C 8/810	4581

EPSON

ActionNote 660CX DX2/66 8/340	$2590
ActionNote 880C DX2/80 8/340	2365

PRINTERS

HEWLETT PACKARD

TRADE-IN your OLD Laser Printer for a NEW LASER JET!!!

DeskJet DeskWriter 320 w/Sheet Feeder Color Kit	$345
LaserJet 4V/4MV	1829*/2650**
DeskJet DeskWriter 660C	450
DeskJet 1600C	1279
Color LaserJet	5476

PRINTERS

LEXMARK

Optra L 12PPM, 1200DPI, 2MB RAM	$1835
Optra LXi 16PPM, 1200DPI, 8MB RAM	2910
WinWriter 600 8PPM 2MB RAM	970
IBM 4037 5E 5PPM 512KB	620

OTHERS:

NEC SuperScript Color 3000	$917
EPSON Stylus Color	517
Action Laser 1400	465
SuperScript 6001 6PPM	735

DESKTOP COMPUTERS

Compaq DeskPro 590 16/720	$2730
EPSON ActionTower 3000 DX2/66 8/420 14.4 Fx Mdm/MultiMedia	1278
EPSON ActionTower 8100 P75 4/540 MultiMedia	1495
EPSON Action PC 7300 DX4/100 4/540	1055
HP Vectra VE 5/90 8/540	1992
NEC PM 466V 8/850/4XCD/14.4 Fx Mdm/Sound/Spkrs/Mic	1670
NEC PM VP75 16/1Gig/4XCD/14.4 Fx	2263
IBM PC 700 P75 8/540	2011
IBM PC 300 P90 8/540	2140

DEMO SPECIALS*

NEC Ready 466D 486DX2/66 4/420 CD ROM, FAX Modem & Software	$1020
Compaq Prolinea 486 DX2/66 4/340	1000
TOSHIBA T2100CS 4/350	1800
IBM ThinkPad 510CS 4/200	1329
Okidata OL410E	347

*Cash Prices Only

OPEN 10AM - 6PM, MON - FRI

- SALE PRICES GOOD UNTIL AUGUST 30TH
- All Prices are for Cash or Check
- Prices Subject to Change without notice
- Not responsible for typographical errors
- Not all Products Advertised are on Display
- Subject to stock on hand

ComputerLand® of Glendale

238 N. Brand Blvd., Glendale, CA 91203 · 818/246-2453 · Fax 818/546-2506

Venture Capital And The Internet

continued from page 174

Don Gooding
Accel Partners
dgooding@accel.com
http://www.accel.com

Since a year ago, there have been many VC investments in Internet-related companies, and many existing investments that have been drawn into the market.

In addition to UUNET, we've added MPath Interactive (entertainment) and Hybrid Networks (Internet access over cable TV).

We continue to see opportunities in Internet tools (Web applets, electronic publishing tools, and platforms), infrastructure, and innovative applications.

We've seen many plans focused on particular vertical markets—medical devices, mutual funds, fabrics, construction materials, event promotion—in the new area of electronic markets/malls/catalogs/publications. Eventually someone will come up with a snappy name for this; I call it e-markets internally. The issue we are wrestling with is that we have no background investing in either publishing or retail; will we really understand the critical success factors in these new businesses just because they have a technology component?

Wade Woodson
Sigma Partners
ww@spvc.com

Last year, I mentioned that the Internet holds great potential for entrepreneurs who understand its essence and culture.

I have seen a huge number of Internet-related business plans in the last year. Too many of them, however, are based on products or services that should be shipping today rather than six months after funding. At Sigma, I am looking for those few startup teams who have a clear vision of the shape of the Internet twenty-four months out and can be the first entrants in new market segments.

To date we have made three Internet-related investments in teams that we believe understand the Internet well enough to have this vision. PSI was the first access provider to focus on commercial access, the first to offer dial-up service, the first to install a frame relay/ATM network, and the first to offer a comprehensive, robust product line from consumers up to corporations. Vermeer Technologies of Cambridge, Mass., identified the potential of the World Wide Web eighteen months ago and is about to release a tool for developing Web applications, not just HTML. The product is designed for the kind of Web topologies likely to predominate by the end of the year. Cascade Communications is a pioneer in flexible, inexpensive network access hardware that enables the rapid deployment of broad, high-speed Internet service.

Both PSI and Cascade are public now. Another "info highway" investment of ours, Harmonic Lightwaves, also went public this year. The public stock market has shown a good appetite for Internet-related IPOs. Currently, this appetite shows no signs of diminishing. The market is savvy enough to know that the access companies (like PSI) should be investing heavily at this time to build market share and thus will incur operating losses for several years. The product and tool companies, though, still should be profitable before attempting an IPO.

I have received numerous proposals via the Internet but with mixed results. Venture capital decisions at Sigma are significantly driven by our personal confidence in the entrepreneurs. There is no substitute for in-person interaction for developing the kind of partnership we want to have with the founders. In establishing any new business relationship, it is important to use the Internet as a means of facilitating personal involvement, not eliminating it.

An important question for the Silicon Valley and venture community is the appropriate financing model for content-based service companies. To date, the classic venture financing approach has had poor success in building content-based businesses. Very few books, magazines or publishers have been venture funded. Although we made a successful investment in Electronic Arts, the successful venture-backed entertainment companies have been few and have primarily been those companies with competitive advantages in distribution rather than content.

The Internet dramatically reduces the barriers to entry for new content-added-value companies. Whether these companies should be venture funded, bootstrapped, or supported by large publishers remains to be seen. My suspicion is that a very few content-based startups, with creative strategies for unique content services that could not exist before the Internet, will achieve the size required to make venture financing attractive to both the investors and the founders. ■

MULTIMEDIA MAGAZINES

continued from page 188

we hope for a monthly circulation between fifty and one hundred thousand with advertising to match. That'll be success."

David Schwartz explained *Control*'s goals further, "We're not trying to be controversial, but we're trying to take advantage of the technology to bring a higher level of understanding of the art and science of creating in a musical medium. It's hard to quantify success, but it is important to us to build with our disc. The next development after we introduce the disc is an online presence on the Web. We're looking to build a community of people that share the kind of interests that we're representing with this periodical. To the degree to which we can expand those horizons and bring people new kinds of information and education, we'll be successful if people respond to that and if we're able to connect them with the suppliers of information, manufacturers, services, and people who will be advertising on it, if we're able to put them in direct contact with the end-users and facilitate the information flow back and forth."

Bob Roback announced, "Our editorial goal, as the name Launch suggests, is to introduce people to new music, new artists. Some of the artists on the first issue, the artists with more notoriety, are really there to draw people in. Our ultimate goal is to give people the opportunity to find out about new music in a manner that they're not accustomed to. Rather than sitting and watching MTV, which has reduced its video playlist, or sitting by the radio, you can now pop this disk in your computer and look at new bands. The opportunity to sample their music is obviously very powerful if you're an active music consumer—so really what we're trying to do is to educate people."

Ross Teasley saw *Hyperhead*'s future as "a hybrid with online, a focus on broad coverage, and useful."

Michael Goldberg's wishes for *Addicted to Noise* include, "Half a million people from around the world logging on to the best rock 'n' roll magazine in the world. Content, great pieces on what's going on. We're trying to use all the media at our disposal to communicate. This is journalism, multimedia journalism."

Sounds like everyone is ready to dance. (Tapes of the complete panel session—ask for P-13, "Watch, Listen or Just Read for a While—Interactive Magazines"—or any other session of Music & Multimedia '95 are available from Multimedia Marketing, 6550 Joshua St., Agoura, CA 91301; 1-800-301-2341.) ■

Copyright © 1995 by Jonathan E. All rights reserved.

HARD DRIVE SUPER SOURCE

WELCOMES ALL GOVERNMENT & CORPORATE PURCHASE ORDERS

4.3GB FAST SCSI-2 Seagate

MODEL# ST15230N

- ❑ 4.3GB Capacity Fast SCSI-2 !
- ❑ Highest Performance 3.5" Discs !
- ❑ Fast Average Seek Time of 9.5ms !
- ❑ 512KB Cache Buffer, 5411RPM !
- ❑ 800,000 Hours MTBF !
- ❑ Five Year Limited Warranty !

External Unit $1189

$1099

HARD DRIVES

Quantum

MAVERICK IDE & SCSI-2 SERIES

270MB	IDE	30270MVA	14ms	$145
540MB	IDE	30540MVA	14ms	$172
540MB	SCSI	30540MVS	14ms	$179

LIGHTNING IDE & SCSI-2 SERIES

365MB	IDE	30365LTA	11ms	$152
730MB	IDE	30730LTA	11ms	$199
365MB	SCSI	30365LTS	11ms	$119
540MB	SCSI	30540LTS	11ms	$184
730MB	SCSI	30730LTS	11ms	$235

TRAIL BLAZER SERIES

420MB	30420TRA	12ms	ATA-2	$149:.$259
840MB	30850TRA	12ms	ATA-2	$219..$329
420MB	30420TRS	12ms	F.SCSI-2	$172..$259
840MB	30850TRS	12ms	F.SCSI-2	$258..$349

FIREBALL SERIES

540MB	30540FBA	12ms	ATA-2	$179..$289
1.08GB	31080FBA	12ms	ATA-2	$264..$374
540MB	30540FBS	12ms	F.SCSI-2	$185..$275
1.08GB	31080FBS	12ms	F.SCSI-2	$375..$465

EMPIRE FAST SCSI-2 SERIES

2.1GB	EMP2100S	8.9ms	3.5"	$769..$859

CAPELLA FAST SCSI-2 SERIES

2.2GB	VP32210S	8.5ms	3.5"x1"	$789..$889

ATLAS FAST SCSI-2 SERIES

2.1GB	XP32150S	8ms	7200RPM	$889....$979
4.3GB	XP34300S	8ms	7200RPM	$1489.$1579

GRAND PRIX SCSI-2 SERIES

4.3GB	GP34301S	8.6ms	7200RPM	$1088..$1178

GRAND PRIX WIDE SCSI-3

4.3GB	GP34301S	8.6ms	7200RPM	$1299..$1569

Maxtor

ENHANCED IDE

IDE & ENHANCED IDE DRIVES

420MB	7420AV	12ms	IDE	$145
540MB	7540AV	12ms	IDE	$175
850MB	7850AV	12ms	E-IDE	$225
1.2GB	71260AV	<12ms	E-IDE	$319

CONNER.

The Storage Answer

IDE & ENHANCED IDE DRIVES

420MB	CFS420A	14ms	IDE	$145
540MB	CFS540A	<15ms	IDE	$175
540MB	CFA540A	12ms	E-IDE	$199
850MB	CFS850A	<15ms	E-IDE	$225
850MB	CFA850A	<12ms	E-IDE	$Call
1.27GB	CFS1275A	<15ms	E-IDE	$295
1.27GB	CFA1275A	12ms	E-IDE	$Call

FAST SCSI-2 SERIES

1.0GB	CFP1060S	9ms	3.5"x1"	$439..$539
1.0GB	CFP1080S	*NEW*	3.5"x1"	$419..$499
2.1GB	CFP2105S	<9ms	5400RPM	$819..$899
2.1GB	CFP2107S	<9ms	7200RPM	$899.$989
4.2GB	CFP4207S	<9ms	7200RPM	$1269$1359

WESTERN DIGITAL

ENHANCED IDE DRIVES

540MB	WDAC2540	12ms	3.5"x1"	$205
850MB	WDAC2850	<10ms	3.5"x1"	$225
1.0GB	WDAC31000	<10ms	3.5"x1"	$308
1.2GB	WDAC31200	<10ms	3.5"x1"	$319
1.6GB	WDAC31600	10ms	*NEW*	$599

HARD DRIVES

MICROPOLIS

FAST SCSI-2 DRIVES

1.75GB	MC2217	10ms	3.5"	$789..$869
2.0GB	MC4221	8.5ms	3.5"x1"	$979..$1079
3.0GB	MC1936	13ms	5.25"	$639..$829
4.0GB	MC3243	8.5ms	3.5"	$1549..$1649
9.1GB	MC1991	11ms	5.25"	$2099..$2279

Audio Video FAST SCSI-2 DRIVES

1.75GB	MC2217AV	10ms	3.5"	$819...$899
2.0GB	MC3221AV	8.5ms	3.5"	$1039..$1129
2.0GB	MC4221AV	8.5ms	3.5"x1"	$1099..$1199
4.0GB	MC3243AV	8.5ms	3.5"	$1699...$1799
9.1GB	MC1991AV	11ms	5.25"	$2189..$2369

FAST WIDE SCSI-3 DRIVES

2.0GB	MC4221W	8.5ms	3.5"x1"	$1129...$1399
4.0GB	MC3243W	8.5ms	3.5"	$1589...$1869
9.1GB	MC1991W	11ms	5.25"	$2419..$2799

Seagate

IDE & ENHANCED IDE DRIVES

720MB	ST3780A	12ms	Fast ATA2	$225
850MB	ST5850A	11ms	Fast ATA2	$248
1.0GB	ST31220A	12ms	Fast ATA2	$315

FAST SCSI-2 SERIES

1.0GB	ST31230N	10ms	3.5"x1"	$529...$619
1.0GB	ST31200N	9ms	3.5"x1"	$535...$625
2.1GB	ST32430N	10ms	3.5"x1"	$889...$979
2.1GB	ST32550N	8ms	3.5"x1"	$1059.$1149
4.3GB	ST15150N	8ms	3.5"	$1439.$1529
4.3GB	ST15230N	9ms	3.5"	$1099..$1189
9.0GB	ST410800N	11.5ms	5.25"	$2299.$2499

FAST WIDE SCSI SERIES

2.1GB	ST32430W	10ms	3.5"x1"	$1079..$1349
2.1GB	ST32550W	9ms	3.5"x1"	$1099..$1369
4.3GB	ST15150W	8ms	3.5"	$1699..$1989
9.0GB	ST410800W	11.5ms	5.25"	$2369..$2749

IBM

1.0GB	DPEA-31080	10.5ms	ATA-2	$499..$599
728MB	94G2647	12ms	SCSI	$229..$319
1.0GB	DPES-31080	10.5ms	SCSI	$499..$599
5.0GB	94G3787	*NEW*	SCSI	$1899.$1989

HEWLETT PACKARD

FAST SCSI-2 SERIES

1.05GB	C3323A	10.5ms	3.5"x1"	$535..$619
1.24GB	C3724A	10ms	3.5"x1"	$479..$569
2.17GB	C3725S	*NEW*	3.5"x1"	$899..$989

FUJITSU

IDE & FAST SCSI-2 SERIES

530MB	M2684TAU	12ms	IDE	$179..$289
530MB	M2684SAU	12ms	SCSI	$195..$288
1.0GB	M1606SAU	10ms	SCSI	$415..$509

FAST WIDE SCSI SERIES

1.0GB	M2694EQA	10ms	3.5"	$669...$939

2.5" DRIVES

TOSHIBA

352MB	MK1824FCV	12.7mm	ATA-2	$265
540MB	MK1924FCV	12.7mm	ATA-2	$399
704MB	MK2528FC	19mm	ATA-2	$499
810MB	MK2628FC	19mm	ATA-2	$559
1.03GB	MK2720FC	19mm	ATA-2	$729

REMOVABLES

SyQuest

FEATURING SyQuest REMOVABLE TECHNOLOGY

REMOVABLE CARTRIDGE DRIVES

105MB	SQ3105S	Int/(Ext w/cart)	$215/$359
200MB	SQ5200C	Int/(Ext w/cart)	$359/$499
200MB	SQ5200C	Mac Ext w/cart &SW	$519
270MB	SQ3270A	IDE for PCs	$335
270MB	SQ3270S	Int/(Ext w/cart)	$339/$469
270MB	SQ3270S	Mac Ext w/cart &SW	$489
270MB	SQ3270P	Ext for Parallel w/cart	$569

TAPE BACKUPS

EXABYTE

EXB2501	1GB-Up to 34MB/min	$489/$619
EXB2501K	1GB Complete Kit	$649/$749
EXB4200	2GB-Up to 14MB/min	$779/$879
EXB4200C	4GB-Up to 28MB/min	$799/$899
8205XL	3.5 to 7GB-Up to 32MB/min	$1275/$1599
8505XL	7 to 14GB-Up to 60MB/min	$1999/$2299
EXB-BKT	5.25" Bracket for 3.5" Units	$29

HEWLETT PACKARD

SCSI-2 DAT Series

35470A	2GB-Up to 11MB/min	$779/$879
35480A	4-8GB, Up to 44MB/min	$859/$949
1533A	4-8GB,H/W Comp. DDS2	$1019/$1119
1553A	24-48GB,6 Cart AutoLoader	$2229/$2399
HP-BKT	5.25" Bracket for 3.5" Units	$39

CONNER.

Archive Viper 1/4" Series

2150S	250MB-Up to 7MB/min	$309/$399
2525S	525MB-Up to 12MB/min	$459/$559

TapeStor Series

		Floppy/Parallel
TS420/P	420MB	$169/$298
TS800/P	800MB-TRAVAN	$209/$369
TS850/P	850MB-QIC WIDE	$259/$349
TS1700	1.7GB-QIC Wide-w/Floppy Cont	$305/NA
TS4000A	4.0GB-QIC Wide-**IDE**	$520
TS4000	4.0GB-QIC Wide-**SCSI**	$519
TS4000E	4.0GB-QIC Wide-**SCSI External**	$619

COLORADO MEMORY SYSTEMS

Floppy Based Backup Units

DJ20	250MB-JUMBO 250	$129
DJ35	350MB-JUMBO 350	$142
DJ25	680MB-JUMBO 700	$258
T1000	800MB-HP Colorado T-1000	$195
DJ50	1.4GB -JUMBO 1400 *NEW*	$299

Power Tape SCSI Backup Units

PT10	1.0GB	SCSI-2	1/4"	$599/$689
PT25	2.0GB	SCSI-2	1/4"	$949/$1029
PT50	4.0GB	SCSI-2	1/4"	$1139/$1239
PD60	2-4GB	SCSI-2	**DAT**	$995/$1089

TRAKKER Parallel Backup Units

JT20	250MB-TRAKKER 250	$269
JT35	350MB-TRAKKER 350	$329
JT25	680MB-TRAKKER 700	$349

WangDAT

4mm DAT SCSI Backup Units

3100	2.0GB-3.5"-DDS-Up to 11M/min	$735/829
3200	4-8GB,DDS-DC, Up to 22M/min	$789/989
3400DX	4-8GB,DDS-2, 22-44MB/min	$989/$1089

OPTICALS

Maxoptix

Tahiti-4M 1MB Cache Buffer	$1779/1869
Tahiti-3M 1MB Cache Buffer	$1819/$1999
Tahiti-3M 4MB Cache Buffer	$1999/$2199
1.3GB Cart(512 or 1024b)Glass/Poly	$135/$99

PINNACLE MICRO

Sierra 1.3GB

1.3GB Optical Storage Drives

Sierra1.3 MAC	Ext 1.3GB for Mac	$1769
Sierra1.3PC	Ext 1.3GB for PC w/ Adapter	$1899
Sierra1.3 PCi	Int for PC w/16Bit Adapter	$1879
Sierra1.3PCAN	Ext 1.3GB for PC	$1759

TAHOE 230MB

The Next Generation of the 1st Portable 230MB Optical

Tahoe230 MAC	Portable 230 for Mac	$739
Tahoe230 PCT	Portable 230 for PC/Parallel	$919
Tahoe230 PCA	Portable w/16 Adapter Kit	$919
Tahoe230 PCAN	Portable 230 Unit Only	$729
Pak-Travel	Battery,Charger & Travel Case	$125

FUJITSU

DynaMO 2512A
230MB
3.5" Opticals

Int Unit/(EXT with Cart)	$515/$585
EXT with Cart & S/W for MAC	$599
EXT Complete KIT w/Controller for PC	$675

CD ROM DRIVES

PIONEER

The Art of Entertainment

DRU-124X	**1 DISC-4.4X * NEW ***	**$269/359**
DRM-604X	6 DISC-4X CHANGER	$777
DRM-624X	**6 CD-4.4X **NEW****	**$549**
DRM-A600	6 DISC Magazine	$29

TOSHIBA

XM3601B	4.4X-120ms-600kb	$339/$429
XM5302B	4.4X-120ms-600kb IDE	$199/309

MITSUMI

FX-400B	4X-64K Cache-600kb	$199

PLEXTOR

NEW 6X

PX-43CS	4X-256K Cache-600kb INT	$329
PX-45CS	4X-256K Cache-600kb EXT	$409
PX-43CH	4X-1MB Cache INT	$399
PX-45CH	4X-1MB Cache EXT	$489
PX-45CHM	4X-1MB Cache EXT MAC	$499
63CS/65CS	6X-256K Cache-900kb INT/EXT	$499/589

CHINON

CDS-525	2X-280ms-300kb	$135/$229
CDS-525K	KIT with card & Cable	$149/$249
CDS-545	4X-230ms-600kb IDE	$195

RECORDABLE CDs

PINNACLE MICRO RECORDERS

RCD-1000	Pinnacle 2X Ext Unit	$1625
RCD-1000	Pinnacle 2X- w/Cont	$1739

SMART & FRIENDLY RECORDERS

CD-R1002	2X w/Cont & Corel	$1659
CD-R4000	4X w/Cont & Corel	$3699

TO ORDER CALL:

1-800-252-9777

HDSS COMPUTER PRODUCTS

"Your Hard Drive & MultiMedia Super Source"

6225 Jarvis Ave., Newark, Ca 94560
M-F 6A-7P; Sat 9a-5p; Sun 10a-4p PST
Tech Support: (510) 494-8045

- *No Surcharge for Credit Cards.*
- *30 Day Money Back Guarantee.*
- *Returns Accepted with RMA # only, in Original Packing & Condition.*
- *Returned Items for Refund are Subject to a 12% Restocking Fee.*
- *Memory SIMMS, CPU's, Tapes and Items that Include Software are Not Refundable, Warranty Exchange only.*
- *All Logos are the Property of their Respective Companies.*
- *Certain Items May Require Special Ordering.*
- *Price and Availability are Subject to Change without Notice.*
- *Not Responsible for Typos or Technical Errors.*

VISA
MasterCard
PO's COD's

CORPORATE HDSS

- *Pre-Approved Purchase orders for Fortune 1000 Companies & Government Agencies*
- *Qty and Dealer [illegible] Available*
- *All Educational [illegible] Welcome*
- *International Or[illegible] Welcome*

(800) EAGLE-15

Fax Orders to : (510) 494-8501

182406

© Copyright 1995 August MicroTimes Ad.All Rights Reserved No Reproduction,of any kind allowed without prior written consent of TEC

AMIGA

continued from page 196

stroke hides the speedometer. Ping-pong looped playback is an option; playback frame rate is adjustable. It is also fully controllable through ARexx! Nice touch.

The thick 337-page manual is chock-full of tutorials. I found the inclusion of a one-page epileptic seizure warning a little interesting. It appears to relate to playing games, so I'm assuming its inclusion was a mistake; however, Amiga animations can be pretty intense, so... Nah!

DPaint V comes on four disks, which include various example pictures, brushes, and images. There are even a couple nice Karafonts thrown in for good measure.

The minimum system requirements are 2MB RAM, two floppy drives, and OS 2.04 or higher. However the "recommended" set-up suggests the AGA chipset, a hard drive, an '040 CPU, and 2MB Chip and 2MB Fast RAM. The additional memory and horsepower is definitely needed, particularly when using the Backing Store feature. All of the new features seem to have taken their toll on performance, as this version seems decidedly slower than DPaint IV AGA.

RESOURCES:

DeluxePaint V, $199
Electronic Arts
1450 Fashion Island Blvd.
San Mateo, CA 94404-2064
(415)571-7171

24-BIT BOARDS

DPaint did not work well with my Retina 24-bit graphics card, particularly the palette screen. I've been told by EA that DPaint V was written with the idea that it would work with 24-bit boards with some additional support drivers; however, so far no one has pursued this.

CONCLUSIONS

Despite all of the push towards 24-bit on the Amiga, 256-color images with the right color palette and dithering will often do the trick with minimal loss in visual quality. This works particularly well with text that might be composited over a 24-bit image. Plus, these images require less RAM and are a lot easier for your computer to handle. I've also used 16-color (particularly black-and-white) images for simple backgrounds with good results. You can even use several 256-color brushes and composite them into a 24-bit screen with impressive results, using an image processor or even DPaint with Backing Store.

It may be out of habit, but when working with register-based images, I always seem to gravitate towards DPaint. I cut my graphics teeth on DPaint and it has grown right along with me. DPaint V may not knock your socks off with features, but it is a better DPaint, and that is enough for me. ■

Copyright © 1995 by Douglas J. Nakakihara. All rights reserved.

Packard Bell
486 Multimedia
4 MB Ram, 420 MB HD
2X CD-ROM,
16 Bit Sound
14" S-VGA Monitor
S-VGA Graphic w/1 MB
Encyclopedia, MS Works
& More
SX/50
DX2/50 $1199

COMPAQ
DeskPro 4S/251
4 MB Ram, 240 MB HD
Build-In
S-VGA Graphic w/1 MB
Business Audio
DeskTop Case, Monitor Extra
SX/25 $749
DX2/50 $899
DX4/100 $1049

HEWLETT PACKARD
Vectra 5/60 XP
8 MB Ram, 270 MB HD
S-VGA Graphic w/2 MB
10 Base-T Network Card
Monitor Extra
60 MHz $1559

Summer Special
EPSON LQ-950
Heavy Duty 24 Pin Printer
330 cps Draft, 110 coloum
$299

EPSON AP-2250
9 Pin Dot Matrix
50 sheet paper tray
$109

COMPAQ HD
535 MB SCSI-2 HD
Compaq P/N 137734-001
$269

COMPAQ New low price
Contura
Aero 4/33C - 170/250 HD, Color $999/1225
410C/410CX - 340 HD $1960/2385
LTE Elite
4/40CX - 340 HD, TFT Color $2699
4/50CX - 340 HD, TFT Color $3799
4/75CX - 510 HD, TFT Color $4349
ProSignia 300
Pent-75, 2.1 GB HD, 16 MB Ram $3899
ProSignia 500
Pent-90, 1 GB HD, 16 MB Ram $4199
ProLiant 1000/2000/4000 Call

Lotus123 V5.0 - $99*
AMI Pro 3.1 $99
Approach 3.0 $69
SmartSuite 3.1 $189
Lotus 123 5.0 $99
PerfectOffice 3.0 $199
PerfectOffice Pro $229
WordPerfect 5.1+ $139
WordPerfect 6.1 $129
Academic Version, Sell to Educational Institution, faculty & student only, Call for detail & complete list

Point of Sale System
Plug-N-Play System, perfect for retail store
System include: Computer, Cash Drawer,
Bar code reader, P.O.S. software,
Receipt printer, Bar code printer and more
Call for detail

OKIDATA
Dot Matrix
ML-184/184S $229/299
ML-320/321 $299/419
ML-520/521 $369/499
ML-380 $229
ML-590/591 $449/599
ML-395 $979
3410 $1199
Page Printer
OL-400E $399
OL-410E $519
OL-410E PS $879
OL-810E Call
DOC-IT
DO-IT 3000 $1199
DO-IT 4000 $1599

Novell
Installation
Maintenance
Service & Training
3.12 - 5 User $599
3.12 - 10 User $1299
3.12 - 25 User $1999
4.1 - 5 User $649
4.1 - 10 User $1499
4.1 - 25 User $2199
Upgrade Available

EPSON
Dot Matrix
LX-300 $179
FX-870/1170 $319/419
DFX-5000+ $1429
DFX-8000 $2399
LQ-300 $199
LQ-570+ $269
LQ-870/950 $459/299
LQ-1070+ $429
LQ-1170+ $699
LQ-2550 $999
InkJet
Stylus 800+ $239
Stylus 1000 $479
Stylus Color $539
Scanner
ES-300CS $429
ES-1000C $799

ES-1200 Pro
2400dpi Color Scan
w/Photoshop 3.0 full
Vision, SCSI Card
$1099

HP Toner
LaserJet+ $99
LaserJet II/III $89
LaserJet IIP/IIIP $79
LaserJet 4L/4P $69
LaserJet 4 $109
OKI Toner/Drum
OL-400E $24/159
OL-400/800 $29/199
EPSON Toner/Drum
EPL-6000 $39/99
EPL-8000 $239
ActionLaser $149/199
1100/1500 $99/199

HEWLETT PACKARD
LaserJet
4L $499
5P/5MP $859/999
4+/4M+ $1369/1849
4V/4MV $1839/2699*
4SI $2849
4SI MX $4199
Color $5599
DeskJet
320 $289
540 $279
660C $579
1200C $959
1200C PS $1529
DesignJet
230 D Size $1999
230 E Size $2669
250C D Size $2499
250C E Size $3299
600 D Size $4188
600 E Size $4999
650C D Size $5744
650C E Size $6599
650C PS D Size $6999
650C PS E Size $7799
ScanJet
3P $319
3C $939

DeskWriter C
$199

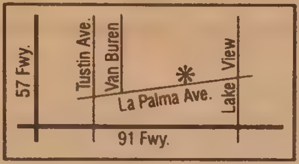
486DX2/50 $119
486DX2/66 $169
486DX4/75 $179
486DX4/100 $259
Pentium/63 $369

INFOTRONICS COMPUTERS
Alhambra
315 E. Main St
EL Monte New Store
10943 Valley Mall Blvd
Ph: (818)282-6110 Fax: (818)282-7741
Business Hour: M-F 9:30 - 6:00, Sat. 10:00 - 5:00
Government, School & Corporate P.O.s Welcome
Novell Authorized Dealer, In House Novell CNE
Serving Greater Los Angeles Area since 1985
Price reflect Cash Discount, Price Subject to Change, Not responsible for any typo errors

Full Service Repair Center
- IBM & Compatible Computer -
Installation, Repair, Upgrade
- COMPAQ, EPSON, HP, OKIDATA -
Authorized Service Center
- On-Site Service available -
- HP LaserJet Repair Special -
$79 Labor (Parts Extra)

GENESIS COMPUTER SYSTEMS, INC.

4095 E. LaPalma Ave. #J, Anaheim, CA 92807
(714) 632–3648
FAX: (714) 632–8045
OPEN Mon.—Fri. 9:00A.M.—6:00P.M. Sat. 10:00A.M.—5:00P.M.



SPECIALS of the MONTH

• 1.44 FDD	$24.99
• VLB SVGA card w/ 1MB	$59.99
• Panasonic 2X CD ROM	$74.99
• Pioneer 4X IDE CD ROM	$165.00
• Panasonic 300dpi LED Printer	$299 aftr. Rebate

Great Buy Systems

486 CLEARANCE

486 SLC-33	**$499**
486 DLC-40	**$599**
486 IBM Blue Lightning 75 w/ 420MB HDD & 1MB SVGA Card*	**$699**

Features

- ISA/VLB mother board
- 4MB RAM 70nS
- 3½" 1.44MB FDD
- 250MB HDD*
- 512k SVGA Card*
- 14" SVGA Monitor .39 dp
- Minitower Case, 230W w/ digital display
- 2S/1P/1G ports • 101 keyboard • mouse

*IBM Systems feature larger HDDs and DRAM

486 VLB SYSTEMS

Intel DX2-66	**$799**
AMD DX2-80	**$799**
Intel DX4-100	**$879**
AMD DX4-100	**$849**

Features

- Green mother board w/256k cache,
- OPTI/SIS/UMC chipset, ZIF socket, AMI BIOS
- **4MB RAM 70nS** • **3½" 1.44MB FDD**
- **540MB HDD** • **VLB (32 bit) IDE controller**
- **VLB (32-bit) Windows Accelerator w/1MB**
- **14" SVGA Monitor NI 0.28 dp, 3 Yr. Wrnty.**
- Minitower Case, 230W w/ digital display
- 2S/1P/1G ports • 101 keyboard • mouse
- CPU heatsink and cooling fan

PENTIUM PCI SYSTEMS

Intel Pentium 75 MHz	**$1,299**
Intel Pentium 90 MHz	**$1,349**
Intel Pentium 100 MHz	**$1,399**
Intel Pentium 120 MHz	**$1,949**
Intel Pentium 133 MHz	**$2,249**

Features

- Green mother board w/256k cache,
- OPTI/SIS/UMC chipset, ZIF socket, AMI /Award /Phoenix BIOS
- **8MB RAM 70nS** • **3½" 1.44MB FDD**
- **850MB HDD** • **PCI IDE controller**
- **Diamond Stealth PCI SVGA card w/1MB**
- **15" SVGA Monitor NI 0.28 dp digital, 3 Yr. Wrnty.**
- VLB FDD controller • fast I/O w/2S, 1P, 1G
- Midtower Case, 250W, w/ digital display
- 101 keyboard • mouse
- CPU heatsink and cooling fan

☞ **Please call for custom systems & special file server deals.**

QUALITY PARTS & COMPONENTS...

MOTHERBOARDS

486SLC-33 w/CPU	$59
486DLC-40, 128k Cache w/CPU & Math Coprocessor	$99
IBM 486-75 MHz Blue Lightning w/CPU, MathCo	$169
486DX2-66 VLB, 256k Cache, 30/72 pin SIMM slots w/Intel CPU	$209
486DX2-80 VLB, 256k Cache, 30/72 pin SIMM slots w/AMD CPU	$199
486DX4-100 VLB, 256k Cache, 30/72 pin SIMM slots w/Intel CPU	$279
486DX4-100 VLB, 256k Cache, 30/72 pin SIMM slots w/AMD CPU	$209
VEGA 486DX2-66 (USA Made) without CPU	$159
VEGA 486DX4-100 (USA Made) without CPU	$169
Pentium 75/90/100 OPTI or SIS PCI/VLB/ISA 256k Cache w/o CPU	$139
Pentium 90 Intel Neptune chipset PCI/ISA 256k Cache w/o CPU	$189
Pentium 75/90/100 Triton PCI/ISA 256k Cache w/o CPU	$195
Micronics 486/Pentium mother boards	pls. call
Pentium Server mother boards w/Intel chipset & dual processor	pls. call

MULTIMEDIA

Sound Blaster 16 sound card	$69
Sound Blaster 16 sound card SCSI	$109
Media Vision Jazz 16	$49
Sony 2X CD ROM IDE	$105
Panasonic 2X CD ROM AT	$79
Teac 4X CD ROM AT	$165
Microsoft Encarta CD Pack / Generic14 titles in three CD's.	$65/$35
25-40 W Stereo Speakers	$28
80 W Stereo Speakers	$45
120 W Stereo Speakers	$85

HARD DRIVES

210 MB Conner / Maxtor / Quantum	$99
420 MB Conner / Maxtor / Quantum	$135
540 MB Conner / Maxtor / Quantum / Seagate	$159
850 MB Conner / Maxtor	$195
540 MB Quantum Fast SCSI II 9.5 mS	$190
1.2 GB Conner / Maxtor IDE	$249
1.08 GB Conner 1080S Fast SCSI 2	$399
1.05 GB Seagate 31230 N Fast SCSI 2	$449
1.3 GB Quantum DSP3133L Fast SCSI 2	$539
2.1 GB Conner CFP2105S Fast SCSI 2 9ms	$839
2.1 GB Conner CFP2107S Fast SCSI 2 9ms 7200 R.P.M.	$879
2.1 GB Quantum XP32150S Fast SCSI 2 8ms	$839
2.2 GB Quantum VP32210S Fast SCSI 2 8.5ms	$825
4.3 GB Quantum GP34301S Fast SCSI 3 8.5ms	$1259
4.29 GB Seagate ST15230N Fast SCSI 2 9/10.5ms	$1250
4.29 GB Seagate ST15150N Fast SCSI 2 8/9ms	$1495
9.0 GB Micropolis MC1991 Fast SCSI 2 12ms	$2450
9.09 GB Seagate ST410800N Fast SCSI 2 11/12ms	$2990

MONITORS

14" .39 dp 1024x768	$135
14" Shamrock NI .28 dp	$205
14" Aurora Vision NI .28 dp, 3 Year Warranty	$205
15" Aurora Vision NI digital .28 dp, 3 Year Warranty	$289
15" Shamrock digital NI .28 dp	$289
17" MAG (DX 17F) digital NI .26 dp	$595
17" CTX 765GM digital NI	$589
17" ViewSonic V17 digital NI	$795

VIDEO CARDS

Trident SVGA ISA w/512k	$35
Trident SVGA ISA w/1MB	$59
Trident 9440 VLB 1MB SVGA	$65
Trident 9440 PCI 1MB SVGA	$69
Cirrus Logic 5429 VLB SVGA	$65
S3 SVGA VLB w/1MB	$65
Diamond Stealth 2MB VRAM VLB SVGA	$265
Diamond Stealth 2MB VRAM PCI SVGA	$265
Diamond Stealth 2MB DRAM VLB	$149
Diamond Stealth 2MB DRAM PCI	$165
#9 Video Cards	pls. call
ATI Video Cards	pls. call
Matrox Video Cards	pls. call

MISCELLANEOUS

Conner 420/850 MB Tape Backup	$135/$195
14.4 kbps Generic Modem	$39
14.4 kbps Modem AT&T Chip Set	$49
US Robotics 14.4/28.8 kbps Modem	$89/$189
1.2 MB FDD	$36
ISA Controller Card with I/O	$14
VLB Controller Card with I/O	$19
VLB Controller Card with Fast I/O	$25
101 Keyboard	$15
Fujitsu 4720 Keyboard	$45
Generic Mouse	$7
MicroSoft Mouse	$25

CASES

Premium Desktop w/Digital Display	$39
Premium MiniTower w/Digital Display	$35
Premium MiidTower w/Digital Display	$45
Premium FulTower w/Digital Display	$55

Please call for industrial rackmount computers.

VISA MasterCard AMERICAN EXPRESS

NETWORK HW/SW

Server/Workstations	See above config.
Standard LAN Card NE2000 comp.	$28
Brand name LAN Card NE2000 comp.	$39
Windows for Work Groups 3.11	$69
LANTASTIC 6.0 1 User.	$75
LANTASTIC 6.0 5 User.	$375
Novel NetWare 3.12 5 User	$590
Novel NetWare 3.12 10 User	$1,275
Novel NetWare 3.12 25 User.	$1,990

****We do complete network setups for you.****

BRAND NAME MEMORY

1 MB 30 pin	$34.50
4 MB 30 pin	$130.00
4 MB 72 pin	$159.00
4 MB 72 pin no parity	$135.00
8 MB 72 pin	$299.00
8 MB 72 pin no parity	$259.00
16 MB 72 pin	$499.00
16 MB 72 pin no parity	$455.00

Systems w/ one yr. parts & labor waranty. Prices & availability subject to change w/o notice, Prices incl. cash disc. Not respnsible for typo . All trade marks belong to respective companies. 72 hour burn-in before shipment

C l a s s i f i e d s

Accessories

$ WE BUY MEMORY $

We buy and trade your 256KB, 1MB, 4MB, 8MB, 16MB, 32MB Simm Module (30 Pin, 64 Pin or 72 Pin). All Dram, Vram, Soj, Zip, Sipp, Dip, Labtops Simm. Intel 486DX, Pentium.

CALL DAYS AT: (714) 827-8404

(We are also open on Weekends)

NIGHT (714) 636-5550 or (619) 560-7962 *(after 7:00 p.m.)*

Pager (714) 804-1599

We always pay higher than anyone else!

AMERICA'S ADVANCED ACCESSORIES INCORPORATED AAA

DISKETTES

Premium FORMATTED *(100% Error Free)*

	Qty 500	Qty 100
3.5" DS/HD	31¢	32¢
3.5" DS/DD	20¢	21¢
5¼" DS/HD	19¢	20¢

1-800-214-4444

DISKETTE DUPLICATION

Quantities from 500 to 150,000 • Labeling • Collating
Shrink Wrapping • Custom Packaging Design and Fulfilment

AARON THOMAS CO., INC. • 1-800-394-4776
7390 Hunt Ave., Garden Grove, CA 92641

CD RACK Jewel Case

Direct imports of premium plastic products at low prices. Call for dealer's price & info.

(818)961-7663

GDT Components, Inc.
242 South 5th Ave.,
City of Industry, CA 91746

Co-Executives Needed! No exp. needed. For info., send S.A.S.E. to: S.K.S., 12020 Chapman Ave. #311, GG CA 92640.

Canon BJC-4000 & Epson Color Stylus Refills

DEC ***Fillmore*** **Refill Ink** HP

Over 200 Ink Jet Printers and Fax Machines Supported!

Up to 50 Refills per bottle!

Function One **(800) 975-3100**

The Most Cost Effective Refill on the Market!

FOREIGN FONTS MAC & WINDOWS

Affordable and easy to use with any word processor, or DTP program

Russian & Ukrainian
АБбВГГгЙйБТъфы
Armenian
ա՛՞․՝՜՞զճիջիՄՈՆՏճՎ_Ծ
Thai
กขฃคตฉชดบผฯะฎฑฏฐฎ
Japanese Kanas
あいうえおかきくけアイウエオカ
Hebrew and Yiddish
שׂשׁאבּגדהוּזחטיסֶכלמֵ

Greek, modern and ancient
αβχδεφγηιςίὲἐᾳᾷῥῆὑῷ
Czech, Estonian, Hungarian, Latvian, Lithuanian, Polish, Serbo-Croatian, Slovak, Swedish, Turkish, Vietnamese...
ÄĀāÉĄÖÜáąČĊćéŽźĎí
Korean Hangul
ㅊㅋㅌㅎ늗듣긃ㅉ뱍ㅈㅌㅍ뻬ㅇㅈ
Arabic
ص غ ع ـُ ء ش ص ح ـَ ـ ـ ط ـ
More languages available.

Call or write for free catalog **(800) 704-1930**, Fax (310) 338-0908
MATCH SOFTWARE, 8205 Santa Monica Blvd #1-205, W. Hollywood, CA 90046-5912

DISKS 1.44mb	*Data Cartridges*	*DeskJet Ink*
3.5" DS/HD	3M	Hewlett Packard
IBM Formatted	DC2120-XiMat	#51626A
w/Labels	QIC80 Fmt'd	Black
Qty 100 = $28.95	Qty 1-9 = $12.95	Qty 1-4 = $21.95
Qty 500 = $27.50	Qty 10+ = $11.95	Qty 5+ = $21.50

XDR II Co. [illegible] 818/701-7425
14755 Ventura Blvd., #713 800/541-7425
Sherman Oaks, CA 91403-3687 Fax: 818/752-7425

XDR II Co. Customer Satisfaction Guarantee [illegible] any product purchased from XDR II Co. Simply return it to us and we will gladly exchange the product or refund your money. Ad Code: MT-0795. XDR II Co. is a Xanadu Enterprises Company © 1995

HOW TO PLACE YOUR CLASSIFIED AD IN MICROTIMES

MINI DISPLAYS: 1 column unit = 1 1/4" across x 3/4" down. $59 per col/unit, camera ready art, or $59 + $30 for 1x typesetting/production fee.

BUSINESS ADS: Rates are $20 for 15 words or less. $.50 for each additional word. Your phone number counts as one word. First few words or line is bolded.

CATEGORIES: See index to choose the classification that best describes your product or service.

FREE ADS: Private individuals may have one free classified ad one time of 15 words or less under Hardware, Software, or Accessories only. Mail coupon by the noon deadline for that issue, no phone orders for free ads.

No refunds will be given after copy is received. Credit may be given under certain circumstances.

Mail, deliver or fax this coupon along with payment by the noon deadline for that issue.

TO RESERVE SPACE:

Phone Orders
(213) 851-8600
Fax Orders
(213) 851-8303
With Visa or MasterCard Only

CLASSIFIED CATEGORIES
- ○ Accessories
- ○ Bar Coding
- ○ Bulletin Boards
- ○ Cartridge Refill
- ○ CD-ROM
- ○ Computer Rentals
- ○ Data Conversion
- ○ Data Recovery
- ○ Desktop Publishing
- ○ Hardware
  - ○ For Sale
  - ○ Wanted
- ○ Miscellaneous
- ○ Personals
- ○ Optical Scanning
- ○ Repairs
- ○ Services
- ○ Software
  - ○ For Sale
  - ○ Wanted

CAREER MARKETPLACE CATEGORIES
- ○ Employment Information
- ○ Jobs Offered

CONSULTANTS NETWORK CATEGORIES
- ○ Accounting
- ○ Business Opportunities
- ○ Engineering
- ○ Finance
- ○ General
- ○ LAN
- ○ Legal
- ○ Programming
- ○ Technical Writing
- ○ Training

○ **MULTIMEDIA**
○ Other_______________

____
____
____
____

Cost of ad__________ x number of issues to run__________ = Amt. enclosed__________
Discount: 7x = 15% 14x = 25%

○ **Classified** ○ **Career Marketplace** ○ **Consultants Network** ○ **Multimedia**
○ Check/MO ○ Visa ○ MasterCard Credit Card #____________________Exp.Date______

Name____
Address____
City__________________________State______________Zip______________
Phone (______)______________________________________

SEND TO: MicroTimes Classifieds, 6767 Forest Lawn Drive, Ste. 110, Los Angeles, CA 90028

DEADLINE FOR INSERTION IN THE JULY 24, 1995 ISSUE IS NOON ON FRIDAY, JUNE 30, 1995.

Classifieds

Accessories

Accessories

QUALITY REFILL INK AND SERVICE
Low Cost for Printing on Plain Paper • HP • Canon
Epson • DEC • IBM and Others • Compatible
Reliable • Non-Smear • Brilliant Colors • and Good
Light Fastness • 100% Quaranteed
INK 2000 CORP. (818) 598-8816

Bar Coding

BAR CODE SCANNER
WITH WAND $195.00
CCD, Laser Scanner, Thermal Printers, Portable, RF Data T&A
FAX 408/425-7888
800/343-7773 EGER

Bulletin Boards

FAST AND EASY! Download sexy provocative adult GIFS. Use your 14.4 modem. 1(900) 844-2200. Only 69¢/min. 18+.

GAME PORT: BBS (213) 269-9793 (Free), Voice (213) 269-9838, Adult Entertainment: Hardcore videos- Japanese, Chinese, Amateur, New Releases; XXX CD-Roms; XXX Lasers. (18 yrs. to Order) Visa, MC.

HOMES FOR SALE ONLINE- Modem (310) 471-6159. Almost 1,000 homes online throughout Southern California! Free to review and submit homes. Voice: (310) 649-6991 X101.

LIBERTY BBS modem 800-474-1818. Local access phone numbers from 9 Calif. area codes. Internet E-mail & Usenet Newsgroups. Linked nationwide for chat 6pm - midnight every evening! Free time on first & every call!

THE CRUSADER BBS- Where people count! Chat, Games, Fidonet conferences, Internet, Usenet, E-Mail, 100,000 + Files and more...Register for 30 min. per day FREE or subscribe for $45/yr. (213) 466-4482 Hollywood, or (310) 348-9746 Westchester.

CD - ROM

Adult CD-ROM $15.00 "The Naked Truth" -Full Motion Video Movie. Unbelievable Price! Send $15 + $2 for shipping and handling to: G&H Trading Company, 1030 East El Camino Real #282, Sunnyvale, CA 94087.

CD-ROM BBS (213) 644-0391. Market Research, CD News- Who? What? Where? -Many Languages, Books, Magazines- Buy/Sell/Trade- New & Used. Settings: 8/N/1, to 28.8k baud.

CD - ROM

Wanted: Old 1988-91 CD-ROM Telephone Directories. Silverplater, Phonedisk etc. Also Real Estate CD-ROMS. Call Joe @ (818) 545-8282.

Cartridge Refill

Recycle Your Toner Cartridges
APPLE • CANON • HP • IBM
- Save 40% In Cartridge Costs
- Print Quality As Good As New
- Important Recycling Opportunity
- Fully Guaranteed
- Free Pick-Up And Delivery In Greater Los Angeles Area

$$$
(818) 305-0844 or (800) 4-LA-LASER
LAZER CARTRIDGE SERVICE
"Serving Los Angeles Since 1987"
We also buy empty cartridges

LASER CARTRIDGE RECYCLING
Recycled Toner Cartridges
Quality as good as new!
Printer Repair
For Your: Canon, Panasonic, HP, Ricoh, Xerox, IBM, NEC, And all other laser printers, copiers & fax machines.
HP 4V Toner Cartridges $119 w/Exchange

100% Guaranteed
Each Cartridge is disassembled, inspected, and all worn parts replaced. It is then refilled with a high-grade toner and tested for maximum performance.
FREE Pickup & Delivery (We also Buy Empties) Call Toll Free: 800-5-RECYCLE

CARTRIDGES & TONERS
100% Guarantee on Recycled Toner Cartridges
For: HP, Canon, Xerox, IBM, NEC and ALL Laser Printers, Copiers.

JULY SPECIAL HP II/III CARTRIDGES $29.00
No exchange needed. Free Pick & Delivery. We Buy Empties.
(800) 6-TONER-6
(800) 686-6576
714-361-3388
Advanced Copy Machine
1410 Ave. Tranquila
[illegible]
92673

HPII w/Exchange $39.95
Re-manufactured Laser and Copier Cartridges
Environmental Laser
1-800-442-8391

Data Conversion

Data Conversion

DATATEK CONVERSION SYSTEMS
9 Track Tape, Cartridge, Diskette, Removable Hard Disk and CD in Most Formats, Computers, Operating Systems & Platforms - Created under any Word Processor, Data Base and Spreadsheet
(800) 422-0307 or (310) 430-0048 • fax (310) 430-4127
3435 Cerritos Ave., Los Alamitos, CA 90720

COMPUTER DISK & TAPE CONVERSIONS
Micros • Minis • Mainframes
Floppies, CD's, 1/2" & Cartridges
DATA CONVERSION SERVICES
(800) 327-0330

Consulting

Capitalize on Your Experience... Increase Your Income...
Attend the One-Day Seminar...
HOW TO START & BUILD A PROFITABLE COMPUTER CONSULTING PRACTICE
FULL-TIME or PART-TIME
Sat. July 29, Woodland Hills
Sat. August 26, Irvine
Offered Monthly
[illegible]
William Mooney Associates
The Center for Consulting & Professional Practice
19401 S. Vermont Ave., Ste [illegible]
Torrance, CA 90502

Data Recovery

Data Recovery

GUARANTEED RECOVERY
NO DIAGNOSTIC FEE
FAST TURNAROUND
- REMOVABLE MEDIA
- TAPE
- HARD DRIVE AND FLOPPY DISKETTE

- UNIX / XENIX
- MAC, DOS
- NOVELL AND OTHERS

DATA RECOVERY SINCE 1989
TEL 818-881-7417
FAX 818-881-8015
MICRO COM
18011 VENTURA BOULEVARD TARZANA CA 91356

Data Recovery

Data Recovery in hours.
- Over 10 years of experience with clients worldwide including Apple, NASA, & FedEx.
- We've recovered more than half-a-million megabytes of lost data.
- You only pay when there's a successful recovery.
- Call 24 hours a day.

415-495-5556 • FAX 415-495-5553 • RESTRICTIONS MAY APPLY
381 Clementina Street • San Francisco, California 94103
LAZARUS DATA RECOVERY
Working at the Speed of Business.
800-341-DATA

Ontrack Data Recovery
The world leader in professional data recovery services!
- Expertise in DOS, Novell, Macintosh, OS/2, Unix, Xenix, DEC, Sun, Wang, Banyan Vines and more!
- Service available on DAT, tape backups, and removable media.
- Professional service recommended by major manufacturers.
- 24-Hour support with weekend, priority, and on-site services available.
- For fast, successful results call Ontrack!

Ontrack DATA RECOVERY
2400 Main Street, Suite 200 Irvine California 92714
1-800-752-7557
714-263-9245
MN: 1-800-872-2599
Europe: +44 (0)181 974 5522
Japan: (0429) 32-6365

"When data's destroyed, who you gonna call? DriveSavers."*
*Reprinted from MACUSER, August 1994
DRIVESAVERS DATA RECOVERY
400 Bel Marin Keys Bl.
Novato, CA 94949
415-883-4232
Our proprietary techniques are so advanced, we can rescue data others might simply abandon. So, don't take chances with your data. If you can't afford to lose it, call DriveSavers. We've been restoring data and peace of mind since 1985.
Call: 800-440-1904

DATA RECOVERY
- Recovering data since 1987
- Data returned "Plug & Play" on your drive
- [illegible] success rate
- [illegible] no charge, when you mention this ad.
- *Rapid* turnaround
- Reasonable rates.

DRIVE SERVICE COMPANY
Disk Drive Technical Data and Formatting Guide V.5 *Now Available*
Visa and MasterCard
3303 Harbor Blvd., Ste. E7 • Costa Mesa, CA 92626
Tel: 714/549-DISK (3475) • Fax: 714/549-9752

Protect your computer data! Reliable, affordable, automatic backups of your computer data by telephone modem. Call **DATASOFT SOLUTIONS** @ (714) 951-5198.

DATA RECOVERY- We can recover most **any** disk errors. Hard and Floppy disks. All areas. Free Estimates. Call (714) 895-2993.

Financial Services

Overdue Bills? Debt Consolidation. Cut Payments 20-50%. Stop Collections. Avoid Bankruptcy. Help with IRS Debts. Reduce Interest. Not a Lender. Licensed/ Bonded. (Non-Profit) MCCS. Call: (800) 787-7235.

Hardware

MEMORY
BUY AND SELL
SIMM•DIP•SOJ•ZIP
Guaranteed Lowest Prices
Upgrades for Desktops, Laptops, Laser Printers, from Apple to Zenith
ERITECH INTERNATIONAL
TEL: (818) 244-6242
FAX: (818) 502-5059

UNOPENED & UNUSED: 3Com Etherlink III (3C589B-TP) PCMCIA 10Base-T network adapters (Five Pack). Includes cables (5), User Guide, and software. $675 for the set. Call Gary Callahan @ (714) 952-1121, ext. 4647.

Packard Bell 486DX2-66 Multimedia Desktop. 540MB HD, 4MB RAM, CD-ROM, Fax Modem, 16 Bit Sound Card, 512K Video Ram, Speakers, Lots of Software, etc. NEW IN BOX! Call Mohamed @ (213) 383-3384 or page: (213) 397-3771.

MEMORY WANTED

TOP DOLLAR PAID

$EXCESS INVENTORY$

OBSOLETE, DEFECTIVE
ABSOLUTELY NOT
WORKING
ANY BRAND ANY SIZE
ON BOARDS OR OFF BOARDS
WE WILL BUY THEM

CALL (714) 373-6770

ABCOM COMPUTER PRODUCTS

FAX OFFERS AT (714) 373-6768

We Buy Memory & CPU Chips!

This MONEY could be yours!!!

TOP DOLLAR PAID!

We buy, sell and trade new and used SIMMS, CPUs, laptops and components.

We pay on the spot!! You don't have to wait for lengthy Evaluation Time.

We have been the leaders in buying and selling computer hardware since 1986!

WINDOWS MEMORY CORP.

(800) 454-9706

WE BUY/SELL/TRADE-IN MEMORY & MONITORS

* Any SIMM, SIPP, Any Board with Memory IC (DIP, SOJ, TSOP, ZIP) Good or Bad
* Any VGA Monitor (Good or Bad)
* Special Repair: Monitor 60ºº/SVGA 14"; SIMM 10ºº/1MB

6632 WESTMINSTER
WESTMINSTER, CA 92683

PC MEMORY COMPONENT

TEL (714) 898-9339
FAX (714) 898-1710

WE BUY SIMM MEMORY AND ALL SURPLUS DRAM

Any Memory, Any Quantity
Will Pick Up at your Door
Anywhere in L.A. or O.C. • No hassles!

(213) 856-8156

Topaz Power Conditioner. Free Standing 2400 Watt Unit. 5 years old. Protects a main frame computer system from interruptions due to power surges. $1,100. Call Katie @ (213) 525-2141.

M E M O R Y

BUY - SELL - TRADE - UPGRADE

SIMM (5 YEAR WARRANTY)

30 PINS	70NS	60NS	72 PINS	70NS	60NS
256Kx9	$10	N/A	1M:256kx32/x36	$35/39	N/A
1Mx9	$34	$36	2M:512kx32/x36	$59/65	N/A
4Mx9	$123	$125	4M:1Mx32/x36	$135/145	$139/149
1Mx8	$32	N/A	8M:2Mx32/x36	$275/285	$279/289
4Mx8	$113	$115	16M:4Mx32/x36	$475/485	$479/489

MEMORY UPGRADE : FREE LABOR

Prices are subject to change without notice

LINK-TRONICS

2610 Westminster Ave. #C
Santa Ana, CA 92706

Tel (714) 554-8677 · Fax 554-8122 · M-F 10 to 6

WE BUY MEMORY

SIMM • Top $$$ Paid • CHIPS

I.C. Onboard, SOJ, DIP, ZIPP, SIPP, SRAM/VRAM, I.C.
Also Buys Toshiba/Compaq Notebooks & Laser Printers

1(800) 710-9999
(818) 855-8292 • PGR (800) 701-6770

MICROTECH INTERNATIONAL

THE COMPUTER CONNECTION

WE BUY AND SELL MEMORY AND CPU'S

TOP DOLLAR $ PAID $

CALL 800-494-4587 FAX (619) 420-4588

Fax/Voice/Modem, 14.400 for $37.00. Call: (213) 250-7526.

Free- 6 Zenith 8088 Computers with Monitors and Software. Call: (818) 337-4698.

Hewlett Packard Draftmaster 1 Model #2806A12194. Works Good. $1,000 or Best Offer. Call Rex @ (909) 829-1949.

MultiMedia 486DX 2/66 w/540 Meg Hard Drive, Monitor, CD-ROM, Speakers. Complete System- $1,095. Call: (714) 533-4671.

TI-5130II professional calculator: 11 paper rolls, 10 digit display, large keys. LIKE NEW! $46. Call: (714) 680-5454.

486DX 2-66, 4MB RAM, 220MB HD, 2XCD, SVGA .28 System, $790.00. Call: (310) 432-4308.

Classifieds

Hardware

Hardware

MEMORY WANTED
NEW OR USED

30 PIN
1x3/1x9/1x8 (1MB)
4x3/4x9/4x8 (4MB)

72 PIN with PARITY
512x36 (2MB) 1x36 (4MB)
2x36 (8MB) 4x36 (16MB)
8x36 (32MB) 16x36 (64MB)

72 PIN No PARITY
1x32 (4MB) 2x32 (8MB)
4x32 (16MB) 8x32 (32MB)
No Quantity Too Large or Too Small
We Also Buy CPU's

MEMORY EXPERTS
Fax: 702-293-7686

1-800-252-5959

Toshiba 24 pin printer $300. Printer sharer, 8 users, 3 printers, $600. XT computer $300. Call Jill @ (714) 549-1769 or pager (818) 557-2045.

Hardware Wanted

American Cancer Fund for Children needs working computer system for office. Please call today! (818) 895-1025.

Non-Profit organization seeks computer and software donations for Indian Reservations. Call Hugh Margesson @ (714) 833-3865.

Internet

XXX.COM
Adults Only
http://www.xxx.com

INTERNET ACCESS SERVICE
Area Codes 310 & 714
$15 per mo
UnlimitedUsage
No Set-up Fee.
CLOVERLEAF • (714) 895-3075

Hardware Wanted

Non-Profit youth center needs computers/printers for after school learning center, tax deductible. Call Gina @ (714) 545-5759.

WANTED: Brother Work Organizer word processor. PN5700 or PN4400 model. Looks like a notebook PC. Call: (818) 905-3326.

Internet

Internet Business Services

- **Expand Your Business Globally** - increased opportunities with on line marketing to reach over 30 million users.
- **Custom Design & Market-** 24-Hour Business Presence on the World Wide Web. Flexible Pricing & Design Options.
- **Quality Website Services-** Individual Domain Address, Information Management & Access Reporting
- **Educational Video Tape** - Guaranteed to answer your internet questions. Low cost.

WORLDWIDE MARKETING
WEBS ARE US
YOUR INTERNET SOLUTION
E-Mail...webs@ websrus.com
Voice...(800) 932-7787

Leonardo Internet

Convenient 310, 213 and 818 access

Web Site Design and Consulting

Full Internet Service $17.50 month. Info: (310) 395-5500

Can you afford to wait any longer?

Miscellaneous

78 Amateur Radio Club meets 8am 1st Sat./Month. Marie Callenders, 307 E. Katella, Orange. (714) 636-9840.

Miscellaneous

Amateur radio VE examiners needed. Braille Institute, Orange County. Odd months, last Wednesdays @ 1:00 pm. Call: (714) 636-9840.

Multimedia

Multimedia

CD-ROMs: New, Used & Rentals
OPEN DAILY 10-7PM
MultiMedia Mania
201 1/2 S. PCH, Redondo Beach • 1 Blk N. of Torrance Blvd.
(310) 318-1102
10% OFF EXP. 9-1-95

Optical Scanning

Optical Scanning

Electronic Documents™
Document Scanning Services

Full Text Conversion
To All Popular Formats

High Volume Conversion
BackFiles . . Paper . . Microfilm
State of the Art Production Facility

Large Document Scanning
Sizes A - E to 20 Feet in Length
Mylars, Velums, Blue Lines
CAD Conversion - Raster to Vector

Form & Survey Scanning
Checkboxes, HandPrint, Barcodes
100% Verification with Veri SCAN™

Converted to CD, Disk, or Tape

800-SCAN Inc. 415 **777-0717**
1 800-800-SCAN
543 Howard St. S.F.

Personals

LIVE
33¢ P/MIN!
DATE LOCAL GIRLS
Home numbers!
LIVE TALK!
NO taboos!

(408)236-3311

Repairs

UniTek Co.
Hard Disc Services
Specializing in repair of PRIAM
CONNER
MAXTOR
SEAGATE
QUANTUM
Fax: (408) 263-9996
(408) 263-9994

HEWLETT PACKARD Laserjets, Deskjets, PaintJets, Vectras and other HP equipment. Experienced, quality service. On-site service available. Cal-Logic 18707 Parthenia St. #3, Northridge, CA 91324. (818) 701-9025.

14" Monitor Repair. $50 Flat Rate (Parts and Labor) Excludes Flyback & CRT. Guaranteed for 90 Days. Call **First Electrotech** @: (310) 863-6621; 10948 Imperial Hwy #102, Norwalk, CA 90650.

Repairs

Starcom VIII
Full Service Computer Repair Center
IBM AND COMPATIBLES

Monitors.....
- VGA & Super VGA repair: $40.00 flat rate!
  Give us 10 or more, and pay only $35.00 per monitor.
- Mono repair : $35.00 flat rate!
  Give us 10 or more, and pay only $30.00 per monitor.

.....And More!

• PS-2 Power Supply Repair:	$15.00
• HP Laser Printers Repair:	$65.00
• Printer Repair:	$45.00
• Laptop Repair:	$95.00
• Motherboards Repair:	$60.00

Starcom VIII
3116 Bellevue Ave., LA 90026
(213) 413-0372
90 Day Warranty on all Repairs Expect Expert Service As Well As Great Prices

MONITOR & LASER COMPUTER REPAIR

Professional Service
Excellent Rates
PC & MAC Experts
Computers & Terminals
Monitor and Laser printer Specialists
We are the best. Guaranteed.
Reliable & Friendly
Manufacturer Authorized
Quality is our priority
Warranty Repair Center for Mitsubishi

1-800-863-3636
PROVISION COMPUTERS
212L Technology Dr, IRVINE, CA 92718

MONITOR EXPERTS- $50-$75 for most color repairs. Drop off in Irvine or Anaheim. COMPUTER MONITOR SERVICE, 980 E. Orangethorpe Ave. #F, Anaheim, (714) 680-7716.

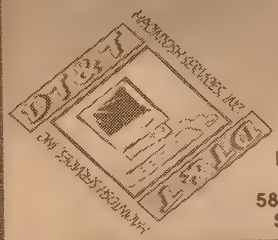
Routine preventative maintenance of your PC system & more. Play it safe with **On-Time Services.** For details, call (310) 348-1360.

Repairs

Repairs

MAC REPAIR & UPGRADE
800-622-7977
24 HOUR SERVICE TURNAROUND
LONGER WARRANTY
FREE DIAGNOSTIC
COMPETITIVE PRICE

- We specialize in:
  - -Power PC
  - -Power Book
- Mother board repair
- Advance Exchanges



Phone: 408-747-1555
Fax.: 408-747-1110
586 Weddell Dr. Suite 1
Sunnyvale, CA 94089

Monitor Repair Center. Free estimates; $45 flat rate (in most cases). 1 day turnaround, 90 day warranty. Call ATV Tronics Center at: 1 (800) 873-5555.

Services

Don't Delay, Do it Today!!!

DUPLICATION
5.25" & 3.50"
All Formats No Minimums!!
CD-ROM
1-1,000,000
Custom Printed Labels
Optical Text Scanning
Our 10th Year!
I.D. DISK CO. (818) 882-6454
NATIONWIDE 1-800-882-6454

AILING PC? A Certified Technician will come to your home/office for **about half price**!!! Call (714) 996-8431.

Macintosh Training. Effective, personal. QuarkXpress, Photoshop, PageMaker, Freehand, Illustrator, Word, Excel, ClarisWorks. Call Orchid Graphics @ (800) 899-9818.

Services

MacOwl- Install, Maintain, Troubleshoot, Network. Your Macintosh Systems Manager. (818) 585-9136. **24 Hour On-Call Service.**

EXPERT COMPUTER TUTORS will help you learn any WINDOWS or MACINTOSH programs at your home or office. Reasonable rates, fully guaranteed. Call Don Roark, Mgr @ (310) 821-6184.

GUARANTEED SATISFACTION OR DON'T PAY! Custom Windows, DOS, Unix applications and training. Hardware/software installation. Call Linas for free consultation. (714) 846-0775.

NEED A NERD? Consulting for Networks, Windows, DOS, Database, Accounting, Desktop Publishing, Communications, Private Instruction, Repairs, Upgrades, Sales, Home or Office. (714) 453-9631. SPECTRUM NETWORKS 10 years experience. CNE.

Classifieds

Services

Services

Services

Services

Services

Services

SALE • UPGRADE
REPAIR • DATA RECOVERY

DATA RECOVERY

CAPACITY	MFM/IDE/RLL ESDI/SCSI
20 - 39MB	$250
40 - 49MB	$300
50 - 89MB	$350
90 159MB	$400
160 - 199MB	$450
200 - 299MB	$500
300 - 399MB	$550
400 - 499MB	$600
500 679MB	$650
700 - 1GB	$850

* SPECIALIZE IN DOS, MAC, NOVELL

* Data recovery includes repair of the drive.
No charge if we are unable to recover data.
* 24-Hour Turnaround Available *

For Fast, Successful Results
CALL ProComputer

HARD DRIVE REPAIR
BUY • SELL • TRADE-IN
NEW/USED HARD DRIVES

REPAIR	PRICE		
20 - 39MB	$35	200 - 299MB	$90
40 - 49MB	$50	300 - 399MB	$100
50 - 89MB	$65	400 - 499MB	$110
90 - 159MB	$75	500 - 679MB	$125
160 199MB	$80	700 - 1GB	$155

MONITOR REPAIR

WE BUY NON-WORKING VGA MONITORS ONLY
12" & 14"

MONITOR	REPAIR	PRICE	
Any Mono	$39	Any Multisync	$85
Any CGA or EGA	$55	Any Terminal	$65
Any VGA or SVGA	$65	Any 15" Monitor	$100
CRT AND FLYBACKS EXCLUDED		Any 17", 19", 21"	$200

FREE Pick-up & Delivery in O.C. if more than Five Monitors!

SYSTEM UPGRADE

FREE LABOR
UPGRADES WHILE YOU WAIT!

ANY 286 or 386 TO:

486SLC-66MHz VLB	$149
486DX2-66MHz VLB	$199
486DX-80/DX4-100MHz VLB	$209/229
PCI 90MHz	$519
PCI 100MHz	$595

MONTHLY SPECIAL
HARD DRIVE

540MB	$165
850MB	$225
1GB	$309

MEMORY
WE BUY & TRADE-IN
NEW & USED MEMORY!!

PRO COMPUTER COMPANY

12761 Western Ave , Suite B, Garden Grove, CA 92641
Tel.: (714) 891-8293
Fax: (714) 891-3269
Business Hours:
9:00am to 6:00pm Mon. thru Fri
Sat 10:00am to 2:00pm
Prices subject to change w/out notice

MICROTIMES
CLASSIFIEDS SELL
(213) 851-8600

Attn: Colorado* Users!

Are you using tape for extra storage?
Put your "backups" back on-line.
Get instant access to your archives.

SCAN TYPE®
"Services for Electronic Publishers"
1-800-300-SCAN
*Most tape drives supported. Call for list

TAPE to CD-ROM
$49.00**
**Single QIC-80 tape. Add'l tapes $15.00 each.
Shipping & Tax extra.
Up to 650 MBytes/CD.
Complete directory structure.

LOW VOLUME CD-R DUPLICATION

CD PREMASTERING

- ISO 9660
- Unix
- Mac HFS
- Hybrid

CD DUPLICATION

- 1-100 Units
- Bit-by-bit Verify

CD PACKAGING

- Jewel Cases
- CD Packaging
- Mailers/Envelopes

FSi FUTURE SOLUTIONS, INC.
800-388-8735
714-250-1133
17921-E Skypark Cir.
Irvine, CA 92714

CD-ROM PRODUCTION
Acutrack Is Your CD-ROM Production Source.

* Pre-Mastering
* Insert Printing
* One-Offs
* Mastering and Duplication
* Packaging

We also carry blank CD-Recordables.

Lowest price guaranteed.
3056 Castro Valley Blvd. * Castro Valley, CA 94546
Fax: (510) 581-7471 Internet: acutrack@aol.com
Telephone: (510) 581-4536

ON SITE SERVICES- PC & Network, hardware & software specialists. We can solve your computing blues at your office/home or our office. Knowledge in DOS, WINDOWS, NOVELL, etc. Lowest Price! Call: (714) 871-5038.

ONSITE COMPUTER SERVICE- System Integration, Installation, Upgrades, Networking, Database & C Programming, UNIX, Mac, DOS, Windows, INTERNET & WWW Consulting. Call Edward & Darren 7 days @ (714) 963-1407 or (714) 774-6092.

PC & network, hardware & software specialists. We can solve your computing blues at your office/home or our office. Knowledge in DOS, Windows, Novell, etc. Free on-site evaluation. Call: (818) 304-2634.

Professional Graphic Design Services- Advertisements, Logos, Flyers, etc. Quick turn-around, competitive prices! Call (818) 985-3941.

ENCORE tech
Business Computing & Network Services

NOVELL.

NOVELL AUTHORIZED RESELLER

- CNE On-Board to Serve You
- Netware Installation & Upgrade
- FOXPRO Programming
- UNIX/TCP/IP Administration
- SBT Accounting
- Windows Programming

Tel: (909) 468-0060
Fax: (909) 468-0077

CATALINA TECHNOLOGY

FULL SERVICE COMPUTER SALES, SERVICE & REPAIR
ALL COMPATIBLES!
SPECIALIZING IN HARD DISK REPAIR
• 2 to 5 Day Turnaround • Full Warranty On Repair
WE SELL NEW & RECONDITIONED PRODUCTS!

(714) 434-9144
3422 L West MacArthur Blvd.
Santa Ana, CA 92704

DISCOVER VISA MasterCard

Preserve your precious memories forever.
Your Own CD-R Made Now!
Special Introductory Price $69*

**Call for CD duplication or data tape to CD-R

We will convert any films or video tapes into CD-ROM with digital format (avi files), video for windows. Interactive viewer included.

C&T Multimedia Production (213)936-2606

*For 1/2 hour length. Film transfer extra. **Up to 650 Mbyte per CD

SOFTWARE DUPLICATION

Duplication From $0.37
(3.5HD disk included)

Highest Quality Media
Duplication 100% Guaranteed
24 Hour Turnaround • Custom Labels
Packaging and Assembling

COMPTREE DUPLICATION, INC. 818-330-5191

Classifieds

Services

Services

SOFTWARE DUPLICATION
SERVING ALL OF SOUTHERN CALIFORNIA & THE U.S.A. SINCE 1980!

- 3.5"-5.25" Diskette Duplication
- 2 Pass Verification
- CD ROM/D.A.T. Tapes
- Generic/Custom Packaging
- Label/Shrink Wrapping
- Complete Fulfillment

FSi
FUTURE SOLUTIONS, INC
17921-E Skypark Cir.
Irvine, CA 92714
1-800-FUTURE-5
(714) 250-1133

DATABASE
CONSULTING & DEVELOPMENT

- Specializing in FoxPro solutions
- Affordable, high quality development
- Free 1 hour initial consultation
- DOS/Windows/Mac development
- All applications are network ready
- Acctg., Financial, Inventory, etc.

DataVision 310-430-3857

PROGRAMMING NETWORKING

- Custom Application Programming
- Networking & Integration Services
- Database Programming
- On Site Training

We will show you the solution you need. (310) 854-8895

XENET SYSTEMS INC.
The Logical Choice in Computer Services

SOFTWARE SOLUTIONS for your business. Programming and help to improve your efficiency. Windows & DOS. Databases, C/C++, VB, Clipper, etc. Call (310) 204-4703.

Software

4 Sale Cheap! Assorted Software w/original Documents and manuals. Call (310) 460-0722.

Software

GAMES, GAMES AND MORE GAMES! Huge 32 Games Package for $39.00 (A $500 Value). Call (213) 482-5559.

NOVELL NETWARE- v3.12- 25/50 User $1,315/$1,825. v4.1- 25/50 User $1,425/$1,895, 5/10 User $495/$1,015. Call Intech @ (714) 589-0164.

ViewPlus SOFTWARE
BUY IT AND TRY IT
*LIKE IT OR RETURN IT**
$5.00 FOR 2 DAYS*
MOST TITLES – NEW TITLES ARRIVE WEEKLY
1647 E. IMPERIAL HWY. BREA 714-256-0201
*When purchased on installment – Details in store.

GET A SCREEN SAVER WITH YOUR OWN PHOTOGRAPHS

This unique Windows 3.1 based service gives you personalized screen saver using your own photos. Perfect for promotion and gifts. Simply send 5 photos, your return address and a $19.95 check to: A.V. Enterprise P.O. BOX 33196 Granada Hills CA. 91394 (818) 831-3062 and you will receive: The **"Personal Screen Saver"** with your photos, Install program on a floppy disk and your original photos.

Software

Software

SOFTWAREHOUSE
A "No Frills" Software Store
The ugliest software store you've ever seen, but the best prices

Some of This Month's Specials

	Competitors Price	Our Price
Quick Books 3.0 for Windows	$\$119^{99}$	$\$79^{95}$
Peachtree Accounting	$\$109^{95}$	$\$89^{95}$
Microsoft Word 6.0 for Windows	$\$299^{99}$	$\$149^{95}$
Fax Works Pro 3.0 for Windows	$\$69^{99}$	$\$19^{95}$
Rise of the Robots	$\$39^{95}$	$\$10^{00}$
Math Blaster Plus	$\$39^{99}$	$\$19^{95}$
WordPerfect 6.1 for Windows	$\$269^{99}$	$\$199^{95}$
WordPerfect 6.1 Upgrade for Win	$\$99^{99}$	$\$79^{95}$
Microsoft Dos 6.22 Upgrade	$\$49^{99}$	$\$29^{95}$
Norton Utilities 8.0	$\$129^{99}$	$\$89^{95}$
Star Trek Judgement Rights	$\$39^{99}$	$\$10^{00}$
Quicken 4.0 for Windows	$\$39^{00}$	$\$29^{95}$
MACINTOSH CD-ROMS	Starting at	$\$5^{95}$

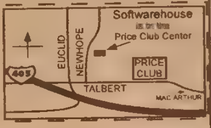
OPEN 7 DAYS A WEEK

While Supplies Last Hurry, Hurry, Hurry!!
1000's of other software titles at unheard of Prices Starting at 50¢

Mon-Fri 10 TO 8
SAT & SUN 10 TO 6

Softwarehouse
17850 Newhope st. #102 Fountain Valley, CA 92708
(714) 434-4797 Fax (714) 434-4799

Super Savings Coupon
10% off Any Software Purchase
Not valid with any other offer Expires 8-14-95 One per Family



WE BUY SOFTWARE
All Types and Quantities.
CASH PAID!
Call (714) 312-1069
Fax: (714) 434-4799

Brand New Software: Lotus 123/DOS, D-Base IV/DOS, Paradox/Win, Claris FileMaker Pro/Win, Claris Works/Win, more... all documents included, unopened disks. All for $425 o.b.o., will separate. Call (310) 271-0645.

Free Ads On-Line. Free software shows you how to advertise on PC's nationwide through bulletin boards and many other on-line services. Just send $10.00 S&H to: Exclusive Marketing, 326 N. Western Ave., 163A, Los Angeles, CA 90004

Spanish language computer software. Word processor, spreadsheet, database & more!! **Or** English-Spanish Translator! "Windows" 3.5 diskettes. $39.95 + $5.00 shipping each. Send check or money order, or write for more info to: **New World Graphics & Publishing**, P.O. Box 50243, Dept #3, Pasadena, CA 91115-0243. Internet E-Mail: newwrld@primenet.com.

Commodore 64/128 Software. New! $10.00. Call (310) 973-2129.

Novell Netware 4.1 CD-ROM. 25 User New, Sealed with Registration and Manual- Best Offer. Call: (818) 831-5481.

Software Wanted

Wanted: AutoCAD- Any release. Must be legal, transferable, and upgradeable. Call: (310) 866-8445.

Videos

VIDEO How to assemble your own computer from concept to completion. 286-586 systems. $19.95 plus $3.00 P&H. (818) 883-7008.

Web Services

$100- JUMP START INTO CYBERSPACE! Register your business on the World Wide Web. (800) 932-7787.

WEB PAGE DESIGN
BY ...... PNET

- Custom Web Pages
- Custom Graphics
- Complete Web Site Design, Service and Support including
  - -HTML Coding
  - -CGI Scripting
  - -Active Forms/Maps
  - -Picture Scanning.

Call (714) 572 1200 Now!

Telecomunications

Telecomunications

NOVELL NETWORKS & PC TRAINING

- Instructor-led, Hands-on classes
- CNA, CNE, ECNE, PC Certificate Programs
- DOS, Excel, FoxPro, Word, NT, Power Point, Visual Basic
- Experienced, Degreed, Certified Instructors
- Day, Evening, Weekend sessions
- Classes Offered Nationwide

HiTek Solutions (714) 474-8270

Training

Training

Are You Missing Phone Calls ?

PBX Systems ~ Business Phones
Multi-line, Multi-lingual Voicemail
Auto Attendent - Audio Text -
Unlimited mailbox

PC Based Business Phone Systems

Your PC can 'Talk' for you !!

Best For Small to medium sized Companies

Free Estimates
(818) 288-7774

TouchVoice Corporation
7459 Toll Drive, S San Gabriel, CA 91770

Web Services

Web Services

INTERNET & WWW
BUSINESS MARKETING SPECIALISTS
PUT YOUR COMPANY ON THE INTERNET
COMPLETE TURNKEY SERVICES!
* DESIGN * WEB SITE MANAGEMENT * PR *
* PRODUCT & INFORMATION MARKETING *
714/955-0799 ama@din.com

Consultants Network

Accounting

Accounting

ADCON COMPUTER SYSTEMS
SPECIALIZING IN ACCOUNTING SOFTWARE SINCE **1985**
Authorized dealer for :
* REAL WORLD Accounting Software
master distributor source code dealer
* SYNCHRONICS Accounting Software
* Novell Networking
* MS Windows NT, Workgroup
OVER 100 SATISFIED CUSTOMER REFERENCES
REAL WORLD & SYNCHRONICS CUSTOMIZATION AVAILABLE
NOVELL & WINDOWS-NT SETUP & SUPPORT
RealWorld Corporation ADVANCED DEALER
12440 Firestone BLVD. Suite 1009 Norwalk, CA 90650 TEL.310 864-0506 FAX.310 864-7806

PEACHTREE
Let your Peachtree investment work for you! We'll show you how! Classes now available. Includes 1 month FREE phone support for each student.
POSS SOFTWARE SUPPORT
310-985-3295

Business Opps.

Would you pay $1000 for $5000? Computer-based home business. Free training provided. Call (800) 560-4454.

Consultants Network

Business Opps.

$$$ Explosive 3.5 disk turns any PC into a money machine! For more information, send $5.00 to: Home 2 Opportunities, 30043 Alicia Pkwy, #127M, Laguna Niguel, CA 92677.

Make your fortune on the information superhighway. Electronic marketing is just getting started. Make maximum money in minimum time. Send $2 & S.A.S.E. to: CC's Catalog, Box 8049-700, Newport Beach, CA 92656.

SERIOUS WEALTH-BUILDER! Get boss-free & debt-free fast! Nothing beats it! Call (909) 866-0601.

Get Paid $268.20 per roll taking easy snapshots! No experience. Film supplied. Call (909) 659-9757 Ext. 44.

LAN

FREE CONSULTATION. We offer low reasonable rates on Consulting, System Design, Networking, Sales and Service. On-site monthly maintenance also available. **Unicorn System Services** (714) 858-9332.

Programming

Custom Software Design
BY — PNET
Solutions for a Complex World
- Visual Basic
- Foxpro
- Access
- SQL Server
- Networking
  - -Novell
  - -Workgroups

Call (714) 572 1200
email pnet@kaiwan.com

General

General

We Specialize in Business Solutions.....

Custom Programming
- •Clipper
- •Visual Basic
- •CA-VO
- •DBase
- •FoxPro

Specialize Applications
- •Accounting
- •Inventory
- •and Others....

Networking
- •Novell

Training
- •Excel
- •Word
- •Dos
- •Windows

yes It runs with NetWare

ON TARGET BUSINESS SOLUTIONS

Jobs that are Big or Small,
We can do it all. Call us today
for a FREE Consultation and Pricing.

On Target Business Solutions. 1901 South Atlantic Boulevard. Suite B. Monterey Park. California 91754
Tel: (818)307-9594. Fax: (818)280-1990. Internet: NewRave@bi.netcom.com Compuserve: 72643,1305

VGS NETMEDIA
- * PC REPAIR & UPGRADES
- * WINDOWS 3.XX, 95, & NT
- * NETWORK DESIGN & SETUP
- * DATABASE PROGRAMMING
- * SUPPORT CONTRACTS
- * PC & SOFTWARE TRAINING

Call Now for a Free Estimate! 310-915-6143

Your own Computer Coach will come to your home or office. Assistance in software and hardware selection and use. Call **COMPUTER COACH @** (800) 747-6967.

I teach basic Windows/Dos, 2 Hours- $35, 10 Hours- $100. One-on-one, group, or telephone sessions. Call: (213) 465-2369.

Programming

EXPERT COMPUTER CONSULTANT- C/C++, Visual Basic, FORTRAN, Access, dBase & FoxPro programming/conversion. Call Andy @ (818) 577-5815.

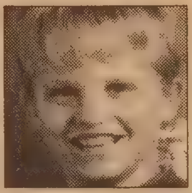
Programming

CUSTOM PROGRAMMING & REPAIRS! •Visual Basic - Microsoft Access, •DOS Programming, •Windows Programming. We also sell computers, training, and on-site service & repairs. Call **ALADDIN SOFTWARE SYSTEMS @** (800) 326-7893.

Training

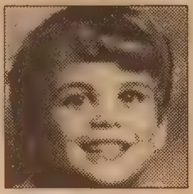
Start 40K & train for computer networking, earn Novell CNE. Price guarantee, best results. Call MicroLan Technologies @ (818) 339-1391.

Help Find These Children

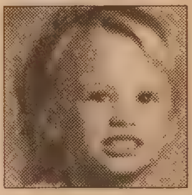


Date Missing: 10/26/94

Benjamin John Romero

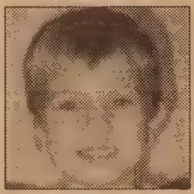


Joseph Henry Romero

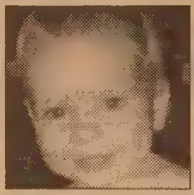


Victoria Megan Romero

Date Missing: 2/7/95

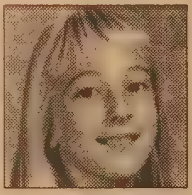


Keyan Ivey

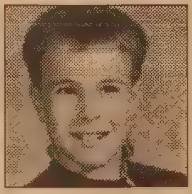


Logan Ivey

Date Missing: 11/17/93



Lauren Burns Stout



Devon Burns Stout

Vanished Children's Alliance

National Headquarters
2095 Park Avenue, San Jose, CA 95126
(408) 296-1113 • Fax (408) 296-1117

For Sightings, Please Call

1(800) VANISHED

Dedicated to the Prevention and Recovery of Missing Children

MultiMedia & BEYOND

PC MAC DOES WINDOWS TOO

continued from page 200

end machines, but a Mac developer with a DOS card can save a Director or mTropolis document as Windows, and run-test it in the same machine.

Most multimedia developer shops are mixed mode, with Macs, PCs, and SGIs sharing the same floor. They routinely task out machines for different jobs and pass files back and forth among them like a tennis match. The DOS in Mac machine can serve well here by double-hitting. As computers collaborate with us in more and more functions of daily life and business, Macs and PCs are rubbing shoulders more often. DOS in Mac machines can speed things up here, too.

DOS TALK

These books have helped me through the dark of DOS, most often when I needed that cryptic command and couldn't remember which incense to burn.

Murphy's Laws of DOS by Charlie Russel ($12.99, Sybex) tells it like it is and doesn't assume any preknowledge of PC arcana. He elucidates how different functions and commands work in relation to the whole OS, and does so in English. He gives crib sheets for running popular PC programs, and breaks down command types: commands you will actually use, those you will use only once in a while (if ever), and "those you should leave alone."

DOS 6.2 Instant Reference ($9.99, Sybex) is a really good, compact quickfinder for dire DOS needs. *The PC User's Pocket Dictionary* does that too, but goes much further in covering terms for the whole computer world, helping to put all this in context.

Also, the *Windows 3.1 Instant Reference* ($9.95, Sybex) was yanked off the shelf more than once to help navigate through that MacAlike environment. Here's a genuine hot tip: Robert E. Waring's *DOOM Totally Unauthorized Tips & Secrets* ($9.95, BradyGames). And while we're at it, *Dr. Mandell's Ultimate PC Desk Reference* ($26.99, Alpha Books) by Dr. Steven Mandell is a good introduction to computing for beginners, and also can help you find PC resources that will now be available to the DOS/Mac hybrid user. ■

Copyright © 1995 by Tony Reveaux. All rights reserved.

TOSHIBA

WHOLESALE PRICES TO THE PUBLIC

T2110 CS/350
- 486DX4/75
- COLOR

NEW MODEL!!

$2025

T2130 CS/520
- 486DX4/75
- COLOR

NEW MODEL!!

$2375

CT/520. . . . . . $2895

T2100/260	$1300
T2105 CS/350	1820
T2105 CT/350	2250
T2150 CDS/500	2855

T2400 CT/320	$2200
T2450 CT/320	2800
T2450 CT/500	2895
T4800 CT/500	2895
T4850 CT/520	3055
T4850 CT/810	3215
T4900 CT/810	4395

CALL FOR OTHER MODELS

400CDT/810
- PENTIUM
- CD-ROM

NEW MODEL!!

$4600

CS/810 . . . . . . $3750

T2150 CDT/500
- CD-ROM
- ACTIVE COLOR

$3500

AUTHORIZED SERVICE REPAIR & UPGRADE
- Toshiba • HP • Compaq

Experienced Technicians

TOSHIBA FACTORY RECONDITIONED • ONE YEAR WARRANTY

T1910/200	$995	T2400CS/350	$1700	T2155CDS	$2500
T1910CS/200	1295	T2400CT/250	1750	T2450CT/500	2650
T1960CS/200	1395	T4800CT/500	2500	T4850CT/810	2800
T2105CS/350	1650	T3600CT/500	2600	CALL FOR OTHER MODELS	

TOSHIBA BRAND Hard Drive Upgrade

520Meg	$395
810Meg	$495

- Includes Labor & 1 Year Warranty
- 200 & 300 Meg Upgrades Available

• All prices listed are cash discounted • Not responsible for typographical errors • Prices subject to change without notice

G **General Software**

MON - FRI
8:30 - 5:00
WE WANT YOUR TRADE-INS!

(SALES) 818/349-7758
Authorized Sales & Service: TOSHIBA
OUR 13th YEAR IN BUSINESS

MasterCard VISA

8635 CREBS AVE./NORTHRIDGE, CA 91324

Active Business Computer
11919 Santa Monica, Blvd. W. Los Angeles, CA 90025

TEL: (310) 477-7280

486DX2 VESA SYSTEM

Mini-Tower Case
4MB RAM, 256KB Cache
540MB Hard Drive
1.44MB Floppy Drive
2 Serial, 1 Parallel
VESA SVGA Card
14" .28 NI SVGA Monitor
101 Enhanced Keyboard
Serial Mouse

Intel DX2-66
$899
AMD DX2-80
$899

486DX4 PCI SYSTEM

Mini-Tower Case
8MB RAM, 256KB Cache
540MB Hard Drive
1.44MB Floppy Drive
2 Serial, 1 Parallel
PCI SVGA Card
14" .28 NI SVGA Monitor
101 Enhanced Keyboard
Serial Mouse

Intel DX4-100
$1149
AMD DX4-100
$1059

PENTIUM PCI SYSTEM

Mini-Mid Tower Case
8MB RAM, 256KB Cache
850MB Hard Drive
1.44MB Floppy Drive
2 Serial, 1 Parallel
PCI SVGA Card
14" .28 NI SVGA Monitor
101 Enhanced Keyboard
Serial Mouse

Intel P-75	$1355
Intel P-90	$1455
Intel P-100	$1555

Call for other configuration!!

All Systems come with one year parts and 2 years labor warranty. Prices and availability are subject to change without notice.

MOST COMPETITIVE PRICES

COMP

PAL

SALES

SERVICE

RENTALS

NETWORK SPECIALISTS

NETWORK ENGINEER ON STAFF FOR NOVELL, LANTASTIC & APPLE LOCAL TALK

WE REPAIR & UPGRADE MEMORY ON ALL TYPES OF COMPUTERS, NOTEBOOKS & PRINTERS HP, APPLE, EPSON, COMPAQ, TOSHIBA, ETC.

Apple®

Apple® Power Macintosh™ 6100/66

$1599

8/500

- 66MHz Power PC 601 Processor
- 256K Cache
- 1MB VRam
- Built-in Ethernet
- 16-Bit Stereo Sound Input & Output
- Monitor & Keyboard not included

Apple® Power Macintosh™ 6100/66 w/DOS COMPATIBILITY CARD

$2375

16/500/DOS/CD

- 66MHz Power PC 601 Processor
- 256K Cache
- 1MB VRAM
- Built-in Ethernet
- 16-bit Stereo Sound Input and Output
- Monitor & keyboard not included

Apple® Power Macintosh™ 7100/80

$2550

8/500

- 80MHz Power/PC 601 Processor
- 1MB of VRAM
- Nine Built-in Ports
- Expandable to 136MB
- Built-in Ethernet
- Supports All Apple Displays
- KB Monitor not included.
- System 7.5

Apple® Power Macintosh™ 7100/80

$2829

8/700/CD

- 80MHz Power PC 601 Processor
- 256K Cache
- 1MB VRam
- Nine built-in ports
- Expandable to 136MB
- Built-in Ethernet
- Supports All Apple Displays
- KB Monitor not included

Apple® Power Macintosh™ 8100/100

$3235

8/700

- 100MHz Power PC 601 Processor
- 256K Cache
- 2MB VRam
- Memory Expandable to 264MB
- 256K level-2 cache
- Three NuBus slots
- Ethernet (AAUI)
- Monitor & KB not included

Apple® Power Macintosh™ 8100/110

$4995

16/2GB/CD

- 110MHz Power PC 601
- 2MB VRAM
- 256K Level 2 Cache
- Memory expand to 264 MB
- System 7.5

Apple® Macintosh® PowerBook® 150

$965

4/120

- 68030 Microprocessor
- 33MHz
- 9.5" Backlit, Passive Matrix, Gray-Scale

Apple® Macintosh® Duo® 280C

$3229

4/320

- 68040, 33MHz, 68LC040
- Power PC Upgradable
- Duo Dock & Floppy Options
- Upgradable to 40MB
- Active Matrix Screen

Apple® Macintosh® PowerBook® 520/520C

520	520C
4/160	4/160
$1499	$1975

- Motorola 68LC040 50/25MHz
- Upgradable to Power PC Built-In Ethernet

Apple® Macintosh® PowerBook® 540C

540C 4/320

540C 12/500/modem

$BEST PRICE

- Motorola 68LC040 66/33 MHz
- Upgradable to PowerPC
- Expandable to 36MB

Apple Macintosh Color Plus 14" Display

$289

- .28 Dot Pitch
- 640 x480 Res.

Apple® Multiple Scan 15" Display

$439

- .28mm Dot Pitch
- 1024x768 Res.
- Headphone/Speakers input & output

Apple® Multiple Scan 17" Display

$939

- Trinitron Screen
- Digital Control
- 17" Screen

Apple® Multiple Scan 20" Display

$1915

- Trinitron Screen
- Digital Control
- 20" Screen

Apple® Macintosh Quadra® 950

$3750

8/500

- Motorola 68040 33MHz
- Built-in Co-Processor
- KB & Monitor not included

Apple® Power Macintosh™ 8100/80 Softwindows

16/500/SOFT WINDOWS

$3189

- 80MHz Power PC 601 Processor
- 16MB Memory, 256K Level 1-2 Cache
- 2MB Video VRAM
- Memory Expandable to 264MB
- Insignia™ Softwindows Included
- Monitor & Keyboard Not Included

Apple® Color Stylewriter® 2400

$399

- 360 DPS Resolution
- 3 pages Per Minute
- Two Separate Ink Cartridges

Apple® Color Stylewriter® Pro

$479

- 360DPI Resolution
- 64 Scalable Truetype Fonts
- Color Sync color Matching Tech

Apple® LaserWriter™ 16/600PS

$2198

- 16 Pages Per minute
- 600 DPI
- Ethernet Built-in
- w/Toner

Apple® LaserWriter Select® 360

$1125 after rebate

- 600 Dot per inch
- 10 Pages Per minute
- 7MB Ram
- Adobe Postscript 2
- w/Toner

Apple® Personal Laserwriter® 300

$595

- 300DPI
- 4 Pages Per minute
- 2MB of Ram
- w/Toner

Apple® Personal Laserwriter® 320

$769

- 300DPI
- 4 Pages Per minute
- 2MB of Ram
- w/Toner

Apple® Macintosh® Performa® 475

$1089

- Complete System
- 68040/25MHz Processor
- 4MB Ram, 160MB HDD
- 12 Software Programs, already Built-In
- 14" RGB Color Monitor
- Fax modem-send fax
- KB and Mouse
- Multimedia Ready
- 1 year limited warranty
- 1 year of in-home Service

Apple® Macintosh® Performa® 550

$1289

- 5MB Ram, 160MB HDD
- 68030/33MHz Processor
- 4 Interactive CD-ROMs
- 12 Software Programs
- Internal CD-ROM and Music
- Built-in 14" Sony Color Monitor
- Global Village 24/98 Fax/Modem
- Keyboard & Mouse

Apple® Macintosh® Performa® 575

$1439

Complete System

- 68030/33/66MHz Processor
- 250 MB HDD
- 4 Interactive CD-ROMs
- 12 Software Programs
- Internal CD-ROM drive for both CD ROM and Music
- Built-in 14" Sony Color Monitor
- Global Village 24/98 Fax/Modem
- Keyboard & Mouse
- 5MB Ram 250MB HDD/Perfoma 575

Apple® Macintosh® Performa® 578

$1689

- Complete System
- 68030/33/66MHz Processor
- 8MB Ram, 320 MB HDD
- 4 Interactive CD-ROMs
- 12 Software Programs
- Internal CD-ROM drive for both CD ROM and Music
- Built-in 14" Sony Color Monitor
- Global Village 24/98 Fax/Modem
- Keyboard & Mouse

Apple® Macintosh® Performa® 630CD

$1469

- Complete System
- Motorola 68040 66-MHz processor/ 33MHz data bus
- 250MB HDD
- Integrated 14" plus Display
- Apple Design KB
- 12 Software programs
- Internal CD-ROM
- Fax/Modem
- 6 CD Titles
- 1 year of in-home Service
- 630CD Int CD Drive
- 630CD. 8MB Ram

Apple® Macintosh® Performa® 638CD

$1789

- Complete System
- Motorola 68LC040/66/33MHz processor/33MHz data bus
- 8 MB RAM/350MB HDD
- Apple TV/Video System
- Apple Multiple Scan 15" Display
- Internal CD Drive w/Many CD's
- KB, Modem, Software Incl

QUALITY, SALES &

COMPUTER RENTAL AVAILABLE

DOWNTOWN L.A.
444 S. Flower St.
(213) 689-0808

WEST L.A.
11919 W. Pico Blvd.
(310) 478-4321

Prices reflect Cash Discount. Prices subject to change without notice. Apple, the Apple Logo, LaserWriter, StyleWriter, Mac and Macintosh are registered trademarks of Apple Computer Inc. PostScript is a trademark of Adobe Systems Inc.

90 DAYS SAME AS CASH!
0% FINANCING!

No Interest & No Payments
For 90 Days!

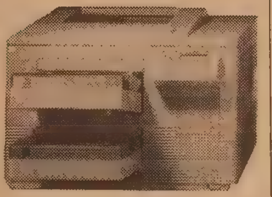
UTER

ACE

HEWLETT PACKARD

HP LaserJet 4SI Printer

$2789



- Up to 17PPM Print Speed
- 600 DPI
- 2 Paper Trays
- 500 Sheets ea.

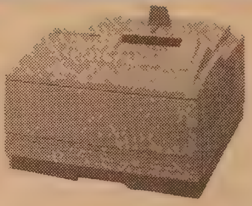
4MB upgrade $189

8MB upgrade $349

Toners $115

HP LaserJet 4SI MX Printer . . .Call For Best Price

HP LaserJet 4V Printer



$1875

- 16PPM Print Speed
- 600DPI Resolution
- 11 x 17 inch Capability

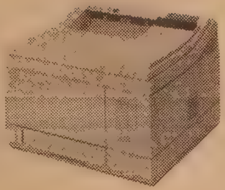
4MB upgrade $189

8MB upgrade $349

Toners $139

HP LaserJet 4MV Printer $2689

HP LaserJet 4 Plus Printer



$1349

- 12PPM Print Speed
- 600DPI Resolution
- Duplex Option

4MB upgrade $169

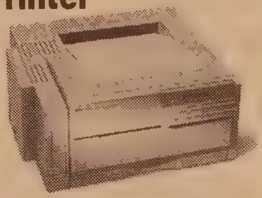
8MB upgrade $325

Toners $98

HP LaserJet 4M Printer $1295
HP LaserJet 4M Plus Printer $1865

HP LaserJet 5P Printer

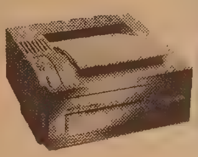
$849



- 6PPM Speed
- 20MHz Cold Fire Processor

HP LaserJet 5MP Printer . .Call for Best Price

HP LaserJet 4L Printer



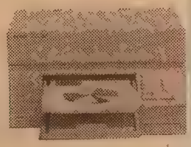
$499

- 4PPM Speed
- 300 DPI Reg.
- Affordable printing

1MB Upgrade $79
Toner. $65
HP LaserJet 4ML Printer . . $989

HP DeskJet 1200C Printer

$969

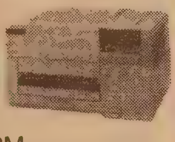


- 600x300 DPI
- 16.7 Million Colors
- 4MB....$189

DeskJet 1200C PS

$1569

HP Color LaserJet Printer

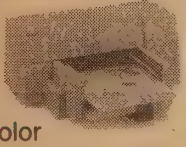


$5755

- 2CLR/10BLK PPM
- Color Laser Printing
- HP ColorSmart®
- 8MB STD RAM

HP DeskJet 660C

$479



- 600x300 DPI Color
- 60dpi Black
- 35 Scalable Fonts
- up to 4ppm
- Color Smart

HP DeskWriter 560 . . . .$479

HP ScanJet 3C IBM

$899

HP ScanJet 3P IBM

$499

- Flatbed Mono
- Up to 1200DPI
- Wordscan OCR

HP ScanJet 3C Mac $899
HP ScanJet 3P Mac 499

HP Palmtop 200LX - 2MB

$635

HP Omnibook 600C - 4/75 8/170

$2695

HP Omnibook 600C - 4/75 8/260

$2855

ADOBE
APPLE
AST
COMPAQ
EPSON
HEWLETT PACKARD
IBM
LANTASTIC
LOTUS
MICROSOFT
NANAO
NEW
NOVELL
OKIDATA
PANASONIC
SONY
TOSHIBA

SERVICE SINCE 1980

GLENDALE
1029 E. Broadway
(818) 241-2551

WOODLAND HILLS
22401 Ventura
(818) 224-3430

Classic is a registered trademark licensed to Apple Computer Inc. PowerBook Duo, Macintosh, System 7, Macintosh Quadra & Power Macintosh are trademarks of Apple Computer Inc.

ADVERTISER BY CITY INDEX

For your convenience, here is a list of advertisers by county and city. Please see the advertiser index on page 240 for the page number of the advertisement.

LOS ANGELES COUNTY

City of Industry
Anson Computer
Atron
BMI Computers
CD Discount
Citicom Computers, Inc.
Computek
Comtrade
CS Source
Direct Net
Kingsley Computer, Inc.
LTI Computer
Macro Computer
Max Group
PC Club
PC Expo
PC Magic
PC Warehouse
Royal Electronics, Inc.
Sigma Office Electronics
Syntax
USA Systems

Claremont/Montclair/Pomona/Rancho Cucamonga
Allied Computer Systems
Computer Market Place
Domino Computer
MDM, Limited

Gardena
Computek
Kamfoz
PC Warehouse

Glendale
Computerland of Glendale
Computer Network Communications
Eritech Upgrades

Hacienda Heights/Walnut
Binomial Systems
Domino Computer
Genisys
Stylin Multimedia

Hawthorne/Lawndale
ATC Computer
ATS, Inc.
Creative Computers

Long Beach/Paramount
Fry's
KB Computer
Prime Net
University Computers

Los Angeles
AMCO Rents & Sales
ATC
BMI
CompuMall
Computer Discount Center
Computer Palace
CompuTopia
CTS Financial
CyberWorld
Cygma Computer
Dav Tech
Direct Net
Einstein Computer
EZ Computer Systems
Input Automation
Internet Sciences
ITG
K&M International
Micro Hut
MIG Computer Systems
NRC Computer
Okidata
Smith & Stark
The Loop
Westcon
Wissen Comparts

Pasadena
A B Computer
Advanced Computer Center
Computer Discount Center
Envision
Interact
Mt. Sierra College
Pasadena Computer Center
TCC Systems
The California Computer
The Wave Network

San Fernando Valley
Alcom Systems
Annex Communications
Art Tech Multimedia
ASC Computer
ATC Computer
Bason Computer
B-Ware Computers
CD-ROM Central Technologies
CompuCal/Americal
Computer Discount Center
Computer Palace
Domino Computer
Earthlink Network
Electronic Music Box
Fry's
General Software
Hacker Electronics
IBA Computers
Info Dial
KBBS
Mac Universe
Mars Computer
Maximus
PC Service
PC Warehouse
R-Tech Computers
Soft Hard Systems
3-6 Computers
Unitek Computer Stores

San Gabriel Valley
Advanced Computer & Technology
Classic Computers, Inc.
Computer Discount Center
Computer Marketplace
Computer Pacer
Digital Micro
Elco
EZ Computer
HJ Technology
Impact Computers
Infotronics
Lightside, Inc.
M.A. Micro
Maximus
MD & I
MIG Computer Systems
NSC
Odyssey Online
PC Warehouse
Quality Computer
SeeWhy Computer
Symphony Computer
TCC
West Tech

Santa Clarita
GCS/All Micro Services
Roger's Systems Specialist

Santa Fe Springs
Hotel California
Jenlish Int'l., Inc.
Melco International
PC Warehouse

Santa Monica/Marina Del Rey
Authorized Service Technology
Cinenet Communications
Computer Business Center
Micro League
Theta Computer

South Bay
Advanced Computer & Technology
Domino Computer
Fry's
Input Automation
Jovanet
Kamfoz
KB Computer
Neutron
PC Warehouse

West Los Angeles
Active Business Computer
Cinenet
Citicom
Computer Palace
Goodman Music
LA Computer Center
Micro Base
Okidata
Unitek Computer Stores

ORANGE COUNTY

Anaheim/Fullerton
Computer Books 4 Less
Delta Internet Services
DMS-Memory Upgrades
EZ Computer
Fry's
Genesis Computer Systems, Inc.
Instruction Plus
Just CD's
MagicTek Computers
Micro DataNet
OSM Expert Computer Consulting, LLC
Southwest Nineteen Networks
The Printer Connection
Western DataCom

Brea
American Tech Enhance
MicroSource
USM
Software Education of America

Buena Park/Cerritos/Norwalk
Advanced Computer Center
Advanced Computer & Technology
Computer Business Center
Computer Marketplace
EKM Computer
EZ Computer
Micro City

Capistrano/Trabuco Canyon/Laguna Hills/Lake Forest/Mission Viejo
Computer Max
Creative Computers
Intech
Kamfoz
K-Micro Computers
Lake Forest Computers
Logicache Computer, Inc.
Macro Technologies
MicroCity
Primenet

Corona/Yorba Linda
Domino Computer
Future Computing Solutions

Cypress/Los Alamitos/Stanton/Westminster
CP Technology
Gytg
Mars Computer
PC Unlimited
Sigma Computers

Fountain Valley
Domino Computer
Fry's
SMS, Sigma Multimedia Supply

Garden Grove
C&G Computer Software Outlet
Citicom Computer, Inc.
CompuTek
CompuTopia
EZ Computer
Matrixsys Group
MIG Computer Systems
ProComputer Co.

Huntington Beach
Abcom Computer Products
Computer Liquidation Center
Input Automation

Irvine/Newport Beach
Advanced Computer Solutions
Compute Intensive
Computer Palace
Domino
HiTek
LAN TEC
Network Intensive
Primenet
USM

Orange/Santa Ana/Tustin
ACP-Advanced Computer Products, Inc.
All Media Computer Superstore
Compu-Depot
Computer Max
Computix
Linnex Computers, Inc.
PC Club
RPB Computer
Super Show Productions
Westcon

RIVERSIDE COUNTY
BACC
EZ Computer
Mars Computer

SAN DIEGO COUNTY
California Computer Expo
Jenlish Int'l., Inc.
Micro City
PC Club
Westcon
Windows Memory Corp.

NORTHERN CALIFORNIA
Mitsumi, Santa Clara
Supercom, Milpitas
Siliconrax, Sunnyvale
Dyna Micro, Fremont

OUT OF STATE
Winbook
Software Electronics

GO PENTIUM!

It won't cost you an arm and a leg.

GO WITH INTEL CHIPSETS

Adaptec SCSI II & PCI IDE 90 / 100 / 120 / 133 MHz

GO WITH A "PENTIUM UPGRADE KIT"

We do the major construction - you do a little, have fun, and save a bundle.

- Upgrade your 386/486 to a Pentium System by moving your H.D. VGA, and RAM to the Upgrade Kit without Hassle.
- The Removable H.D. Rack allows to Share Systems among Users, or to Interchange H.D.'s between Home & Office.

DO IT YOURSELF

With Ease

INCLUDES:

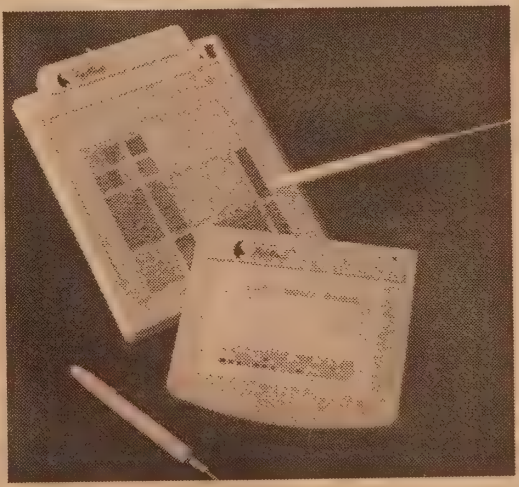
- *Mother Board (Triton Sets) w/ 256 KB Cache.*
- *Intel Pentium CPU w/ Cooling Fan.*
- *Enhanced PCI IDE CTLR (Adaptec SCSI II optional) w/ Hi-Speed I/O.*
- *Mobile H.D. Rack is mounted and connected to receive your H.D.*
- *230 W Power & Mid-Tower Case.*
- *All constructed with Fine Workmanship.*
- *One year Warranty w/ Courteous Tech. Support.*

PENTIUM UPGRADE KIT:

PCI IDE VERSION 90 / 100 MHZ	**$560 / $620**
PCI ADAPTEC SCSI II Version 90 / 100 MHz	**$690 / $750**

- Upgrade Labor avail. w/Competitive Rate.

CD-ROM Panasonic 2X Speed	**$73**
CD-ROM Panasonic IDE 2X	**$95**
Sound Blaster Vibra Card	**$73**
AT-Bus Sound Card	**$49**
CD-ROM Panasonic IDE 4X	**$160**



DIGITIZER MOUSE

Comes w/AutoCad Template and Signature & Writing Programs.

3 x 4.5"	**$69**
6 x 6	**$99**

YTG INTERNATIONAL INC.

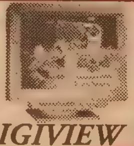
13077 Springdale Street • Westminster, CA 92683
Tel. **(714) 890-4074** • Fax: (714) 890-0884

VCP PRINTING 714-894-8318 • Fax 894-4562

OPEN TO PUBLIC PRICES

PC CLUB

MONITOR SPECIAL



EVERVIEW/ ORCHESTRA/DIGIVIEW

• 14" SVGA .39	$179
• 14" SVGA .28	$199
• 14" SVGA .28 NI	$219
• 15" SVGA .28 NI EVERVIEW	$289
• 15" SVGA .28 NI DIGIVIEW	$319

*Low Radiation

MAG

• DX-15F 15" SVGA NI .28	$355
• DX-17F 17" SVGA NI .26	$669

VIEWSONIC

• 15ES15" SVGA NI .28	$369
• 17G 17" SVGA Green Digital NI .28	$699
• 17GA 17" SVGA with Speakers .28	$899

Prices subject to change

PENTIUM 75MHz SYSTEM

- 850 MB Enhanced IDE HDD
- 8 MB RAM
- TEAC 1.44 Floppy
- Medium Tower w/230w PS
- 256K Cache
- PCI Video w/1MB
- 2 High Speed Serial Ports
- 1 High Speed Bidirectional Parallel Port
- 101 Enhanced Keyboard
- DOS 6.22 w/Manual
- Monitor not included

$1199

intel inside

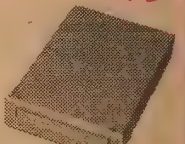
pentium PROCESSOR

ATTN RESELLERS:

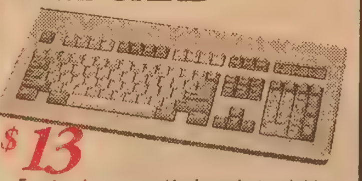
Free Speakers with any purchase of Multimedia kits and CD Rom Drives. While supplies last. Some restrictions apply.

CD ROM DRIVES

Sony 2x IDE	$89
Sony 4x IDE	$175
Toshiba 4x IDE	$189
Toshiba 4x SCSI	$315



101 ENHANCED KEYBOARD



$13

Foreign Language Keyboards Available

NETWORK CARDS

NOVELL APPROVED

2-IN-1

- BNC
- 10 Base T
- Jumperless

$29

NOVELL

8 Port Hub **$159**

PENTIUM 120MHz SYSTEM

- 1.2 GB Enhanced IDE HDD
- 8 MB RAM
- TEAC 1.44 Floppy
- Medium Tower w/230w PS
- 256K Cache
- PCI 64 Bit Video w/2MB
- 2 High Speed Serial Ports
- 1 High Speed Bidirectional Parallel Port
- 101 Enhanced Keyboard
- DOS 6.22 w/Manual
- Monitor not included

$1899

intel inside

pentium PROCESSOR

PORTABLE CD ROM CASES

- SCSI/IDE
- Power Supply & Cable included

SCSI	$129
IDE	$119

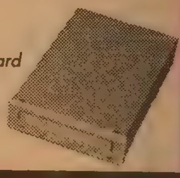
MULTIMEDIA UPGRADES

Sony 4x IDE with 16 Bit sound Card

$249

Sound Blaster 16 Compatible Sound Card
- Vibra Chipset
- MCD/IDE

$69



TRITON PENTIUM 75/90/100/120/133/150 MHz Motherboard

- 4 PCI
- High Speed Serial Ports & Bidirectional Parallel Port

$259

- CPU Not Included

INTEL ZAPPA Triton Motherboard

- 75/90/100/120 Mhz
- Plug & Play
- 3 PCI/4 ISA

$279

- CPU Not Included

SCSI PENTIUM 90/100MHz Motherboard

- Adaptec 7870 Fast SCSI-2 on Board
- 256K Cache
- 3 PCI Slots
- 2 High Speed Serial Ports
- 1 Bidirectional Parallel Port

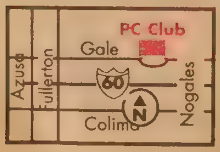
$339

- CPU Not Included

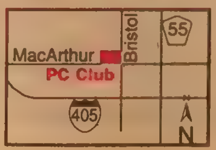
JAZZ SPEAKERS

JS®

• J320AV 80W	$59
• J707 AV 280W	$149
• J902 Powered Sub Woofer	$99



City of Industry
18537 E. Gale Ave., #B
City of Industry, CA 91748
Fax: (818) 913-0123
(818) 913-CLUB
(2582)



South Coast Plaza Location
1421 MacArthur Blvd., Suite F-G
Santa Ana, CA 92704
Fax: (714) 979-3151
Tel: (714) 979-CLUB
(2582)

PC CLUB

PC CLUB

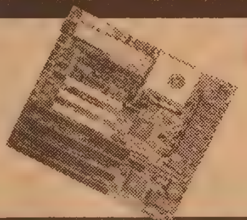
WHOLESALE LOWEST

MEMORY SPECIAL

30 Pin SIMM	
1MBx3-70	$36.99
4MBx3-70	$129
72 Pin SIMM	
1x36 (4MB)	$149
2x36 (8MB)	$319
1x32 (4MB)	$139
2x32 (8MB)	$279

Prices are subject to change

Upgrade 286 or 386 to 486 DX2-66



- 486 DX4-100 Ready
- Ziff Socket
- 3VLB Slots
- AMI BIOS
- 72/30 Pin SIMM Slots
- 8K Internal Cache

$139

486 DX4-100 w/CPU.......... $199

CONNER/MAXTOR/ QUANTUM

420MB	$149
540MB	$167
850MB	$193
1.2 GIG	$269
WESTERN DIGITAL	
850MB	$218
1.2 GIG	$319

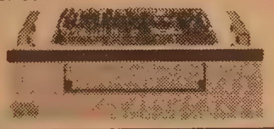
SCSI Hard Drives Available.
Offer Good While Sup. Last.

TEAC FLOPPY DRIVES

- 1.44MB, 3.5" $30
- 1.2MB, 5.25" $40
- 1.44 & 1.2 Dual Floppy.......... $99

TAPE BACK UP DRIVES

Colorado Jumbo 350	$149
Colorado Jumbo 900	$199
Colorado Trakker 350	$329
Colorado T-1000	$229
Connor 420	$139
Connor 850	$219



IDE/IO

- 2S/1P/1G $12

VLB IDE/IO

- 2S/1P/1G $19

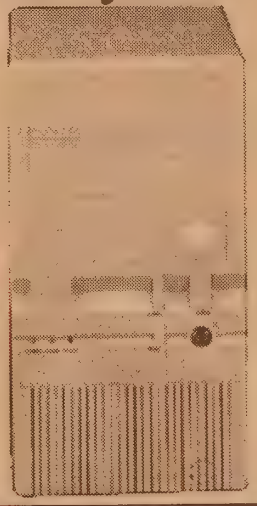
ENHANCED VLB IDE/IO

- 4HDD, 2FDD
- On Board BIOS
- Supports 540 + Hard Drives

$55

BACK TO SCHOOL SPECIAL

486DX4-100MHz System



- 540 MB IDE Hard Drive
- 4MB RAM
- 3VLB Slots
- 256K Cache
- Mini Tower w/230 w PS
- TEAC 1.44 Floppy
- 32 Bit Video w/1MB
- 32 Bit IDE Controller
- 2S/1P/1G
- 101 Enhanced Keyboard
- DOS 6.22 w/Manual
- Monitor not included...... $768

SYSTEM UPGRADES

- Sony Quad CD ROM w/16 Bit Sound Card ... $239
- Windows for Workgroup 3.11 .... $60

BUILD IT YOURSELF!

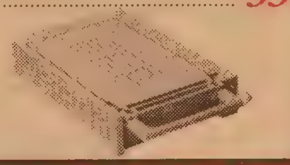
486DX2-66 System Kit

- 486DX2-66 MMotherboard w/CPU
- 4MB RAM
- 1.44 Floppy Drive
- VLB IDE Controller
- VLB SVGA w/1MB
- 420MB Hard Drive
- Mini Tower Case
- 101 Keyboard

$569

MOBILE HARD DRIVE RACKS

- SCSI.............................. $35
- IDE.............................. $33

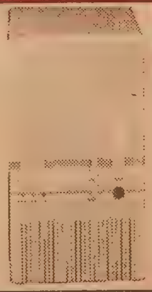


FAX MODEM

- V.42
- MNP5 w/16550 UART Chip
- 4-in-1 WinFax

14.4 Int	$49
14.4 Ext	$99
19/14 Int.	$59
28.8 Int	$149
28.8 Ext	$169
Auto Voice Fax Data Modem14.4 Int.	$79

MINI TOWER CASE



- 2 x 3.5" Bays
- 2 x 5.25" Bays
- 230W Power Supply

$39

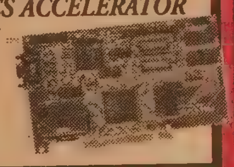
Or, 3 for $90

GRAPHICS ACCELERATOR

- VESA Local Bus
- Trident 9440 Chipset
- 1280 x 1024
- 1MB Upgradable to 2MB

$69

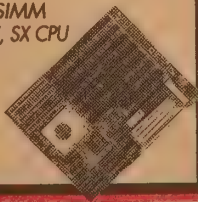
PCI GRAPHICS ACCELERATOR



- S3 864 Chipset
- 64 Bit
- 1280 x 1024
- 2MB

$149

486 VLB GREEN Motherboard



- 128K Cache
- 30 Pin/72 Pin SIMM
- 486 DX4, DX2, DX, SX CPU
- ZIF Socket
- 3 VLB Slots

$85

- CPU Not Included

486 PCI/VLB/ISA Motherboard

- ZIF Socket
- 256K Cache
- 3 PCI/1 VLB
- On-Board IDE/IO

$145

- CPU Not Included

PENTIUM/CPU SPECIALS

Pentium 120 MHz	$799
Pentium 100 MHz	$469
Pentium 90 MHz	$379
Pentium 75MHz	$279
486DX2-66 Intel	$119
486DX4-100 Intel	$200
486DX2-80 AMD	$99
486DX4-100 AMD	$129
486DX4-120 AMD	$199

PC CLUB

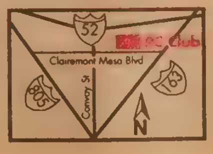
Hours:
Mon-Fri 10:00-8:00
Saturday 10:00-7:00
Sunday 11:00-6:00
Financing Available

SATISFACTION GUARANTEED!

PC Club offers 7 days return on all hardware products. 30 days for exchanges on defective products. Some restrictions may apply. See in store for details.

90 days same as cash.

Prices subject to change without notice.
Product availability subject to change.



San Diego Location
8014 Clairemont Mesa Blvd.
San Diego, CA 92111
Fax: (619) 277-8508
Tel: (619) 277-8151

DISCOVER
VISA
MasterCard

ADVERTISERS INDEX

3-6 COMPUTERS ... 62
AB COMPUTER ... 70,71
ACP SUPERSTORE ... 219
ACTIVE BUSINESS COMPUTER ... 233
ADVANCED COMPUTER & TECHNOLOGY ... 32,33
ADVANCED COMPUTER CENTER ... 66
ALCOM SYSTEMS ... 241
ALL MEDIA COMPUTER SOFTWARE ... 165
ALPHA COMPUTER ... 78,79
AMCO RENTS & SALES, INC. ... 188
AMERICAN MEGA SHOWS ... 208
AMERICAN TECH ENHANCE COMPUTER ... 159
ANNEX TELECOMMUNICATIONS ... 217
ANSON COMPUTER ... 75
APEX RESEARCH ... 60
ART TECH MULTIMEDIA INC. ... 181
ASC COMPUTER ... 70,71
ATC ... 10,11
AZUSA PACIFIC UNIVERSITY ... 67,166
B-WARE ... 67
BASON COMPUTER ... 240
BINOMIAL SYSTEMS ... 29
BMI COMPUTERS ... 38
C&G COMPUTER SOFTWARE OUTLET ... 197
CABLE & ACCESSORIES ... 188
CALIFORNIA COMPUTER EXPO ... 210
CALIFORNIA COMPUTER SYSTEMS ... 54,55
CD ROM CENTRAL TECHNOLOGIES ... 189
CINENET COMMUNICATIONS, INC. ... 91
CITICOM COMPUTER, INC. ... 21
CLASSIC COMPUTERS ... 103
COMPU-DEPOT ... 167
COMPUCAL ... 3
COMPUTE INTENSIVE ... 105
COMPUTEK ... 25
COMPUTER BUSINESS CENTER ... 204,205
COMPUTER DISCOUNT CENTER ... 49
COMPUTER LIQUIDATION CENTER ... 219
COMPUTER MARKETPLACE ... 207
COMPUTER MAX ... 30,31
COMPUTER NETWORK & COMMUNICATION ... 97
COMPUTER PALACE ... 234,235
COMPUTER SHOW & SALE ... 208
COMPUTERLAND OF GLENDALE ... 221
COMPUTIX ... 212
COMPUTOPIA, INC. ... 15
COMTRADE ... 44,45
CP TECHNOLOGY ... 114
CRL ... 108
CYBER WORLD ... 91
CYGMA COMPUTER ... 111
DAV-TECH ... 4,5
DELTA INTERNET SERVICES ... 90
DIRECT NET ... 94
DMS-MEMORY UPGRADES ... 156
DOMINO COMPUTER ... 26
DYNA MICRO, INC. ... 43
EARTHLINK NETWORK ... 89
EINSTEIN TECHNOLOGY ... 58,59
ELCO COMPUTERS ... 190,191
ELECTRONIC MUSIC BOX ... 183
ENVISION MULTIMEDIA ... 118,119
ERITECH INTL ... 52
EVERNET EDUCATION SERVICES ... 50
EZ COMPUTER ... 36,37,101
FRY'S ELECTRONICS ... 2,121–151,243
FUTURE COMPUTING SOLUTIONS ... 41
GENERAL SOFTWARE ... 233
GENESIS COMPUTER SYSTEMS, INC. ... 225
GENISYS MICRO CONCEPTS ... 202,203
GRANITE - DIGITAL ... 82
GYTG ... 237
HACKER ELECTRONICS ... 14
HDSS, HARD DRIVE SUPER SOURCE ... 223
HJ TECHNOLOGY ... 108
HOTEL CALIFORNIA ... 215
I.E.T. ... 68,187
IBA COMPUTERS ... 175
IMPACT COMPUTER, INC. ... 65
INFO DIAL ... 93
INFOTRONICS COMPUTERS ... 224
INPUT AUTOMATION ... 24
INTECH ... 80
INTERACT! ... 8
INTERNET SCIENCES CORP ... 100
JENLISH INTERNATIONAL ... 77
JOVANET COMMUNICATIONS ... 107
JUST CD'S ... 189
KAMFOZ COMPUTER SYSTEMS ... 95
KB COMPUTER ... 195
KBBS ... 217
KINGSLEY ... 170,171
L.A. CABLE CONNECTION ... 161
L.A. COMPUTER CENTER ... 155
LA INTERNET ... 102
LAKE FOREST COMPUTER CENTER ... 186
LINNEX COMPUTERS, INC. ... 82
LOGICACHE COMPUTERS, INC. ... 82
LTI COMPUTER ... 185
M.I.G. COMPUTER SYSTEMS ... 69
MA MICRO ... 190,191
MAC UNIVERSE ... 153
MACRO TECHNOLOGIES ... 156
MAGICTEK COMPUTERS, INC. ... 192
MARS COMPUTER ... 23
MATRIXSYS ... 197
MAX GROUP ... 39
MAXIMUS ... 178,179
MDI COMPUTER ... 169
MEI MICROCENTER INC./WINBOOK ... 7
MELCO INTERNATIONAL ... 112
MICRO DATANET ... [illegible]
MICRO HUT ... 64
MICRO LEAGUE ... 57
MICRO SOURCE COMPUTERS ... 61
MICRO-CITY/GST, INC. ... 84,85
MITSUMI ... 9
MT. SIERRA COLLEGE ... 160
NETWORK INTENSIVE ... 105
NEUTRON TECHNOLOGY ... 166
NSC COMPUTER ... 70,71
ODYSSEY ONLINE ... 216
OSM EXPERT COMPUTER CONSULTING ... 80
PASADENA COMPUTER CENTER ... 162,163
PC CLUB ... 238,239
PC EXPO ... 211
PC MAGIC ... 113
PC SERVICE ... 83
PC WAREHOUSE ... 14
PRIMENET ... 27
PRO COMPUTER SERVICE COMPANY ... 220
QUALITY COMPUTER ... 170,171
R-TECH COMPUTER SALES & SVC ... 22
ROBERT AUSTIN CORP ... 60
ROGER'S SYSTEMS SPECIALISTS ... 196
ROYAL ELECTRONICS ... 78,79
RPB COMPUTER ... 184
SEEWHY COMPUTER SYSTEMS ... 64
SIGMA COMPUTERS ... 176
SIGMA COMPUTERS ... 177
SIGMA OFFICE ELECTRONICS ... 104
SILICONRAX ... 35
SMS, SIGMA MULTIMEDIA SUPPLY ... 177
SOFT-HARD SYSTEMS ... 172
SOFTWARE EDUCATION OF AMERICA ... 43,109
SOFTWARE ELECTRONICS ... 40
SOUTHWEST NINETEEN NETWORKS ... 94
STYLIN MULTIMEDIA ... 189
SUPER SHOW PRODUCTIONS ... 209
SUPERCOM ... 244
SYMPHONY COMPUTER ... 201
TCC ... 42
THE LOOP ... 108
THE PRINTER CONNECTION ... 110
THE WAVE NETWORK ... 106
THETA COMPUTER ... 53
UNITEK COMPUTER STORES ... 16–19
USA SYSTEMS ... 199
USM DISTRIBUTORS ... 51
VAL NET ... 107
VANISHED CHILDREN'S ALLIANCE ... 80
WEST TECH ... 72,73
WESTCON ... 107
WESTERN DATACOM ... 109
WINBOOK ... 7
WISSEN COMPARTS ... 81

This index is provided as an additional service. Although we do our best to maintain accuracy, the publisher does not assume liability for errors or omissions.

BASON
HARD DRIVE WAREHOUSE

Quantum
540 MB SCSI HD 9ms
$169

1-800-238-4453
(818) 727-9054
FAX (818) 727-9064
20130 Plummer Street, Chatsworth, CA 91311

425MB

MAKE	MODEL	SPEED	SIZE	INT
Conner	420A IDE	12ms	3.5"LP	$155
Quantum	420A IDE	12ms	3.5"LP	$159
Quantum	425S SCSI	12ms	3.5"LP	$159
Seagate	3491A IDE	12ms	3.5"LP	$155
Seagate	3550 SCSI	12ms	3.5"LP	$155
WD	2420 IDE	11ms	3.5"LP	$159

540MB

MAKE	MODEL	SPEED	SIZE	INT
Conner	540A IDE	12ms	3.5"LP	$175
Conner	540S SCSI	12ms	3.5"LP	$189
Maxtor	540AV IDE	12ms	3.5"LP	$179
Maxtor	540S SCSI	12ms	3.5"LP	$189
Micropolis	210S SCSI	12ms	3.5"LP	$209
Quantum	540A IDE	12ms	3.5"LP	$179
Quantum	3053L SCSI	9ms	3.5"LP	$169
Seagate	5660A IDE	12ms	3.5"LP	$209
Seagate	5660N SCSI	12ms	3.5"LP	$229
WD	2540 IDE	12ms	3.5"LP	$199

750MB

MAKE	MODEL	SPEED	SIZE	INT
Quantum	730S SCSI	11ms	3.5"LP	$249
Quantum	730A IDE	11ms	3.5"LP	$209
WD	2700 IDE	12ms	3.5"LP	$219

850MB

MAKE	MODEL	SPEED	SIZE	INT
Maxtor	7850AV IDE	12ms	3.5"LP	$195
Quantum	850A IDE	12ms	3.5"LP	$245
Quantum	850S SCSI	12ms	3.5"LP	$259
Seagate	5850 IDE	11ms	3.5"LP	$229

1.0GB

MAKE	MODEL	SPEED	SIZE	INT
Conner	1060S SCSI	10ms	3.5"LP	$425
Fujitsu	M1606	10ms	3.5"HH	$455
Micropolis	4110 SCSI	10ms	3.5"LP	$559
Quantum	VP31100 SCSI	8ms	3.5"LP	$455
Quantum	31080FBS SCSI	10ms	3.5"LP	$369
Quantum	31080FBA IDE	10ms	3.5"LP	$319
Quantum	DSP3105 SCSI	10ms	3.5"LP	$425
Quantum	31230N SCSI	10ms	3.5"LP	$495
Seagate	31220A IDEI	12ms	3.5"LP	$309
WD	3100 IDE	10ms	3.5"LP	$299

1.2GB

MAKE	MODEL	SPEED	SIZE	INT
Conner	1275A IDE	12ms	3.5"LP	$319
Maxtor	71260A IDE	10ms	3.5"LP	$299
WD	31200A IDE	10ms	3.5"HH	$319

1.7GB

MAKE	MODEL	SPEED	SIZE	INT
Micropolis	2217 SCSI	10ms	3.5HH	$599
Micropolis	2217A IDE	10ms	3.5"HH	$559
Micropolis	2217 AV SCSI	10ms	3.5"HH	$699

2.0GB

MAKE	MODEL	SPEED	SIZE	INT
Conner	2105S SCSI	8 ms	3.5"LP	$769
Conner	2107S SCSI	8ms	3.5"LP	$729
HP	3325A SCSI	9ms	3.5"HH	$769
HP	2490 SCSI	9ms	3.5HH	$849
Micropolis	4221 SCSI	9ms	3.5"LP	$899
Micropolis	3221 SCSI	9ms	3.5HH	$899
Quantum	EMP2100S SCSI	9MS	3.5"HH	$769
Quantum	XP32150 SCSI	8ms	3.5"LP	$769
Quantum	VP32210 SCSI	8ms	3.5"LP	$769
Seagate	32430N SCSI	9ms	3.5"LP	$829
Seagate	12550N SCSI	8ms	3.5"HH	$899
Seagate	32550N SCSI	8ms	3.5"LP	$959

3.0GB

MAKE	MODEL	SPEED	SIZE	INT
DEC	5300S SCSI	10ms	5.25"FH	$769
Micropolis	1936 SCSI	12 ms	5.25FH	$769
Micropolis	1936AV SCSI	12ms	5.25"FH	$799

4.0GB

MAKE	MODEL	SPEED	SIZE	INT
Conner	4207S SCSI	8ms	3.5"LP	$1049
Micropolis	3243 SCSI	8ms	3.5"HH	$1099
Micropolis	3243AV SCSI	8ms	3.5"HH	$1299
Quantum	GP 34301 SCSI	8ms	3.5"HH	$1049
Seagate	15230N SCSI	9ms	3.5"HH	$1099
Seagate	15150N SCSI	8ms	3.5"HH	$1299

9.0GB

MAKE	MODEL	SPEED	SIZE	INT
Seagate	410800N SCSI	11ms	5.25"FH	$1999
Micropolis	1991AV SCSI	11ms	5.25"FH	$1959
Micropolis	1991 SCSI	11ms	5.25"FH	$1959

WIDE SCSI DRIVE SPECIALS

1.0GB Fujitsu	2694EQA	SCSI Wide	9ms	$509
1.0GB Seagate	31230W	SCSI Wide	9ms	$509
2.0GB Fujitsu	2915QAU	SCSI Wide	9ms	$899
2.0GB Quantum	31250W	SCSI Wide	9ms	$899
2.0GB Seagate	32430W	SCSI Wide	9ms	$899
2.0GB Seagate	32550W	SCSI Wide	Barracuda	$1059
4.0GB MICROPOLIS	3243W	SCSI Wide		$1359
4.0GB Seagate	15230W	SCSI Wide		$1259
4.0GB Seagate	15150W	SCSI Wide		$1459
9.0GB MICROPOLIS	1991W	SCSI Wide		$2299
9.0GB Seagate	410800W	SCSI Wide		$2399

SCSI CONTROLLERS

ADAPTEC
1542CF, ISA ... $165
2842 VESA ... $249
2742 EISA ... $309
2940 PCI ... $235

FUTURE DOMAIN
1670 ISA ... $85

SUNJAK
7HD/2FD/IDE&IO ISA ... $85
7HD/2FD/IDE&IO VESA ... $125
PCI ... $95

TAPE DRIVES

CAPACITY	MAKE/INTERFACE	INT
250 MB	WangDat/Archive SCSI	$400
525 MB	WangDat/Archive SCSI	$495
2GB	WangDat/Archive SCSI	$749
4GB	WangDat/Archive SCSI	$849
8GB	WangDat/Archive SCSI	$949

3.0GB HD
MICROPOLIS
1936 AV
$799

- GOVERNMENT & CORPORATE PO'S ARE ACCEPTED
- NO SURCHARGE FOR CREDIT CARDS
- SAME DAY SHIPPING ON MOST ORDERS
- RETURNS NEED TO HAVE RMA #'S
- SHIPPING AND HANDLING CHARGES ARE NOT REFUNDABLE
- PRICES AND AVAILABILITY SUBJECT TO CHANGE WITHOUT NOTICE

VISA
MasterCard

486 Soundbook

4 MB,340 MB	9.5" Mono 64 grey	Dual Scan 10.3" Color	Active TFT 9.5" Color
486DX2-66	$1399	$1799	$2399
486DX4-100	$1499	$1899	$2499

Pentium Soundbook

8 MB,340 MB	Dual Scan 10.3" Color	Active TFT 10.2" Color
Pentium-75	$2249	$2899
Pentium-90	$2349	$2999
Pentium-100	$2449	$3099

- * Intel CPU
- * **128K cache (486)**
- * **256K cache (Pentium)**
- * **RAM upgradable to 36 MB**
- * 1.44 MB floppy drive
- * **PCMCIA Type 4 slot**
- * **Removable hard drive**
- * **16-bit sound card, speaker and microphone**
- * 32-bit graphic accelerator
- * 1 MB video memory
- * Big 25mm trackball
- * **2 NiMH battery w/hot swap**
- * Serial, parallel, kb, monitor, and docking station connector
- * AC adapter & carrying bag

Portable Forum

Portable IDE CD-ROM Drive Case
(plug into any parallel port)
Quad speed or double speed
Free carrying bag

$129

Portable IDE Hard Drive Case
(plug into any parallel port)
From 250 MB to 1.6 GB
Free carrying bag

$119

Removable IDE Hard Drive Rack
(fit into any 51/4" drive bay)
From 250 MB to 1.6 GB
High security & convenient

$35

486 Audiobook

4 MB,340 MB	9.5" Mono 32 grey	Dual Scan 10.3" Color	Active TFT 9.5" Color
486DX2-66	$1299	$1749	$2399
486DX4-100	$1399	$1849	$2499

Pentium Audiobook

8 MB,340 MB	Dual Scan 10.4" Color	Active TFT 10.4" Color
Pentium-75	$2499	$3599
Pentium-90	$2599	$3699

- * Intel CPU
- * **RAM up to 20 MB (486)**
- * **RAM up to 40 MB (Pentium)**
- * 1.44 MB floppy drive
- * **PCMCIA Type 3 slot**
- * **Built-in sound card, speaker and microphone**
- * 32-bit graphic accelerator
- * 1 MB video memory
- * Built-in 16mm trackball
- * LCD status display
- * Advanced power managemnt
- * Serial, parallel, kb, monitor, and docking station connector
- * Rechargable NiMH battery
- * AC adapter & carrying bag

+ Mono does not include sound features

PENTIUM MULTIMEDIA PRO

- * **INTEL Pentium processor w/cooling fan**
- * 256K Cache
- * **16 MB RAM expandable to 128 MB**
- * TEAC 1.44 MB floppy drive
- * **1.26 GB IDE hard drive**
- * **PCI Enchanced IDE HD controller**
- * Connect up to 4 hard drives
- * **ATI Mach 64 or Stealth 64 w/2 MB VRAM**
- * **MAG 17" 1280 X 1024 NI monitor .26 dp**
- * Flat screen, Digital control, Low-radiation
- * 2 serial, parallel, & game ports
- * Enchanced 101 key keyboard
- * Medium tower case w/230 Watt
- * High resolution mouse
- * **Sound Blaster 16**
- * **Quad-speed (4X) CD-ROM drive**
- * **160 Watt Hi-Fi speakers w/DSP**

P-133 MHz	$3329
P-120 MHz	$3079
P-100 MHz	$2699
P-90 MHz	$2599
P-75 MHz	$2499

Best Buy

PENTIUM MULTIMEDIA

- * **INTEL Pentium processor w/cooling fan**
- * 256K Cache
- * **8 MB RAM expandable to 128 MB**
- * TEAC 1.44 MB floppy drive
- * **850 MB IDE hard drive**
- * **PCI Enchanced IDE HD controller**
- * Connect up to 4 hard drives
- * **ATI Mach 64 or Stealth 64 w/1 MB DRAM**
- * **Proton 15" 1280 X 1024 NI monitor .28 dp**
- * Flat screen, Digital control, Low-radiation
- * 2 serial, parallel, & game ports
- * Enchanced 101 key keyboard
- * Medium tower case w/230 Watt
- * High resolution mouse
- * **Sound Blaster 16**
- * **Quad-speed (4X) CD-ROM drive**
- * **140 Watt Hi-Fi speakers**

P-133 MHz	$2529
P-120 MHz	$2279
P-100 MHz	$1899
P-90 MHz	$1799
P-75 MHz	$1699

Special

PENTIUM WORKSTATION

- * **INTEL Pentium processor w/cooling fan**
- * 256K Cache
- * **8 MB RAM expandable to 128 MB**
- * TEAC 1.44 MB floppy drive
- * **540 MB IDE hard drive**
- * **PCI Enchanced IDE HD controller**
- * Connect up to 4 hard drives
- * **PCI graphic accelerator w/1 MB**
- * **PROTON 14" 1024 X 768 monitor .28 dp**
- * **Non-Interlaced, energy saving**
- * 2 serial, parallel, & game ports
- * Enchanced 101 key keyboard
- * Medium tower case w/230 Watt
- * High resolution mouse

P-133 MHz	$2099
P-120 MHz	$1849
P-100 MHz	$1469
P-90 MHz	$1369
P-75 MHz	$1269

DOS 6.22 & Windows for Workgroup 3.11	$100
Microsoft : Encarta 95', Works, Money, Golf, Complete Baseball & more	$70
1995 Compton Encyclopedia & 13 titles	$40

486 MULTIMEDIA PRO

- * **INTEL pentium-overdrive ready**
- * CPU cooling fan
- * 256K Cache
- * **16 MB RAM expandable to 128 MB**
- * TEAC 1.44 MB floppy drive
- * **850 MB IDE hard drive**
- * **32-bit IDE HD controller**
- * **32-bit graphic accelerator w/1 MB**
- * **Proton 15" 1280 X 1024 NI monitor .28 dp**
- * Flat screen, Digital control, Low-radiation
- * 2 serial, parallel, & game ports
- * Enchanced 101 key keyboard
- * Medium tower case w/230 Watt
- * High resolution mouse
- * **Sound Blaster 16**
- * **Quad-speed (4X) CD-ROM drive**
- * **140 Watt Hi-Fi stereo speakers**

DX4-100 MHz	$1739
DX2-80 MHz	$1719
DX2-66 MHz	$1699

Best Buy

486 MULTIMEDIA

- * **INTEL pentium-overdrive ready**
- * CPU cooling fan
- * 256K Cache
- * **8 MB RAM expandable to 128 MB**
- * TEAC 1.44 MB floppy drive
- * **540 MB IDE hard drive**
- * **32-bit IDE HD controller**
- * **32-bit graphic accelerator w/1 MB**
- * **Proton 14" 1024 X 768 monitor .28 dp**
- * **Non-Interlaced, energy saving**
- * 2 serial, parallel, & game ports
- * Enchanced 101 key keyboard
- * Medium tower case w/230 Watt
- * High resolution mouse
- * **Sound Blaster 16**
- * **Double-speed (2X) CD-ROM drive**
- * **140 Watt Hi-Fi stereo speakers**

DX4-100 MHz	$1289
DX2-80 MHz	$1269
DX2-66 MHz	$1249

486 VL-BUS WORKSTATION

- * **INTEL pentium-overdrive ready**
- * CPU cooling fan
- * 256K Cache
- * **8 MB RAM expandable to 128 MB**
- * TEAC 1.44 MB floppy drive
- * **540 MB IDE hard drive**
- * **32-bit IDE HD controller**
- * **32-bit graphic accelerator w/1 MB**
- * **Proton 14" 1024 X 768 monitor .28 dp**
- * **Non-Interlaced, energy saving**
- * 2 serial, parallel, & game ports
- * Enchanced 101 key keyboard
- * Mini tower case w/230 Watt
- * High resolution mouse

DX4-100 MHz	$1079
DX2-80 MHz	$1059
DX2-66 MHz	$1039

ALCOM SYSTEMS

5634 Van Nuys Blvd., Van Nuys, CA 91401

Tel: (818) 989-9182
Fax: (818) 989-2371

Hours: M - F 9am - 5:30pm Sat 10am - 5pm
Close on Monday
in August

VISA MasterCard DISCOVER

Prices reflect COD cash purchase.
Please add 3% for credit card purchase.

All name brand & quality components
All systems are fully tested & burned-in for 72 hours
Free lifetime technical support
Free upgrade at no extra labor charge
Friendly customer service

One year parts & labor warranty

30 Days Money Back Guarantee

[illegible]

On-site Service, Delivery & Setup, Training
Extended Warranty
Available

Prices & specifications subject to change without notice.

DVORAK'S LAST COLUMN • BY JOHN C. DVORAK

News Of The Weird

Or

It's Going To Get Worse Before It Gets Better

It's time to dig into Dvorak's grab bag and look at some of the weird news stories and letters that have accumulated.

What's Wrong With This Picture?

The first one is an odd story about Brian Michalovic, who was a D student when he dropped out of Drexel in 1986. He went back to Drexel as an employee, worked his way into the computer department, then allegedly went into the computer records and deleted some poor guy's name and substituted his own. He was now a graduate! He quit the job at Drexel and went to work for the government as an asbestos inspector with the US Department of Health and Human Services for $23.50 an hour.

He was caught because, according to United Press, "Drexel security officers became curious as to why Michalovic abruptly quit his job and ran a check of computer records."

Is this story odd or what? First of all, since when do security officers care an iota about personnel? And how do they become computer research savvy enough to uncover a file change? This makes no sense.

And what about this Brian character? I mean if you're going to go in and change records, don't you think you'd give yourself an MBA or something a little more interesting than some low-level degree so you can inspect asbestos working for the government? D student, indeed.

The Future Is Now

If the UPI isn't picking up bonehead stories, all we have to do is look to Reuters. The news service decided to release Peter Cochrane's predictions for the next fifty years. Cochrane is considered (by Reuters) "a leading British technology futurist." Here's news you can use. For fishwrap. Here's the best of the predictions:

1) By the year 2020 we'll have wires in our brain hooked to nerve-cell based chips so our memory can use memory outside our own brain. Good luck making this work!

Here are some Cochrane quotes:

"The link would create a physical connection between the carbon-based memory of the human brain to the silicon memory of the computer chip."

Remember the quote from *Star Trek*, "Carbon-based units must die!" The guy has been watching too much TV.

Cochrane: *"At 2015 the computer will be equal to you and me in terms of storing the stuff you and I can store."*

More predictions:

2) Artificial noses will be able to detect the entire array of odors identifiable to humans by 2008.

I like the way he is so precise with these dates.

3) Within fifty years scientists may be able to link the human brain directly to a computer.

It's called a keyboard.

> *Expect more **unbelievable "news"** and statistics from sources with a hidden agenda as our **Information Cow Path** becomes clogged with cow manure...*

Malarkey Patrol Dept.

Email from some guy in India named Rishab Aiyer Ghosh.

From: Rishab Aiyer Ghosh
To: List of Journalists
Subject: Survey: Paedophilia on the Internet, the real numbers

Off the Cypherpunks list:

April 10 (nWNS): The netWalker News Service recently completed an extensive survey of the over 20 million users of the Internet, and have found that 88.5% express paedophilic tendencies. A previous survey, conducted 5 years ago, showed that only 40% of Internet users expressed interest in child pornography, while the latest figure is 93%. This dangerous trend coincides with the increasing popularity of the Internet and online services, especially the increased coverage in the popular media.

Additionally, 60.4% of the users have access to nuclear, chemical, or biological weaponry, and are extremely likely given their anarchist beliefs to resort to terrorism. In the 1990 survey, the corresponding figure was 23%.

The nWNS is of the opinion that the solution to these alarming developments is to legislate a complete ban on media coverage of the Internet, augmented with amendments to the International Treaty on the Rights of the Child, following the recently passed ban on terrorists and paedophiles themselves.

nWNS bulletin #95Q20341

All nWNS Internet user statistics have a margin of error of 3%.

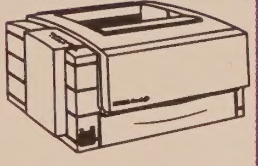
Don't you love that 3% margin of error statement at the end? That means it must be true, eh? Expect more unbelievable "news" and statistics from sources with a hidden agenda as our Information Cow Path becomes clogged with cow manure...otherwise known as... ■

Copyright © 1995 by John C. Dvorak. All rights reserved.

HEWLETT PACKARD IMAGING

HEWLETT PACKARD
Authorized Dealer

LaserJet 5P



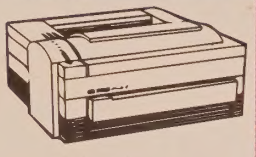
- True 600 x 600 dpi laser printing
- Lots of font choices
- Two paper sources, 3" x 5" to legal sizes, wrinkle-free labels, envelopes and card stock
- 6 pages per minute and a 20MHz processor
- Reliable, expandable, shareable, versatile, value-packed printing

C3115A
#2004088

$839

HEWLETT PACKARD
Authorized Dealer

LaserJet 4L



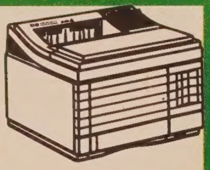
- 26 built-in scalable typefaces let you shrink and enlarge type to thousands of sizes.
- 300 DPI Laser printing with HP Resolution Enhancement Technology and microfine toner for smooth, sharp text and graphics.
- 1MB standard memory with Memory Enhancement Technology effectively doubles your printer memory.

#1786963

$488

HEWLETT PACKARD
Authorized Dealer

LaserJet 4 Plus



The BEST print quality in the industry

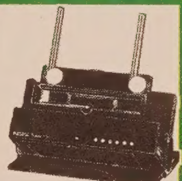
- 12 pages per minute engine and 25MHz RISC processor for faster printing
- True 600 dpi print quality for clear, crisp text and graphics
- Resolution Enhancement Technology and microfine toner for superior output quality
- Easy to set up and use
- Duplex option (sold separately)

#1908697

$1365

HEWLETT PACKARD
Authorized Dealer

DeskJet 320 Portable Printer



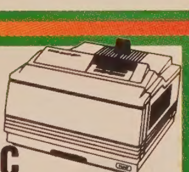
- Crisper, blacker blacks with 600 x 300 dpi printing plus HP's Resolution Enhancement Technology
- Compact, portable design fits neatly into a briefcase
- Easy-to-add color with an optional HP Color kit (sold separately) just snap in the cartridge and print

#1952331

$269

HEWLETT PACKARD
Authorized Dealer

LaserJet 4MV for Macintosh® OR PC



Adobe™ PostScript™ Level 2

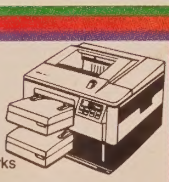
- HP's fastest desktop printer
- Crisp 600 x 600 dpi print quality
- 16-ppm engine speed
- 33Mhz RISCprocessor with I/O buffering for unparalled performance.
- Handles a wide range of paper sizes including 11 x 17.

#1957886

$2889

HEWLETT PACKARD
Authorized Dealer

LaserJet 4Si



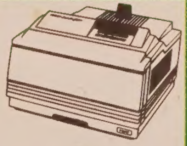
- Expandable and flexible, excellent for networks
- Fastest HP LaserJet printer at 17 ppm
- Multiple language capability with auto switching
- True 600 x 600 dpi printing with REt and microfine toner
- 75,000 page/ month duty cycle and flexible paper-handling
- HP quality and reliability

#1779583

$2799

HEWLETT PACKARD
Authorized Dealer

LaserJet 4V



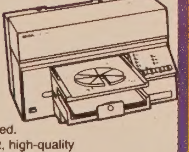
- HP's fastest desktop printer
- Crisp 600 x 600 dpi print quality
- 16-ppm engine speed
- 33Mhz RISCprocessor with I/O buffering for unparalled performance.
- Handles a wide range of paper sizes including 11 x 17.

#1952320

$1869

HEWLETT PACKARD
Authorized Dealer

DeskJet 1200C



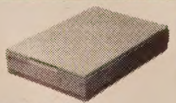
- 600 x 300 dpi black text at up to 7 pages per minute produces high-quality output at business speed.
- 300 dpi color at 1 to 2 minutes per page creates fast, high-quality output with bold, brilliant colors and true black.
- Plain-paper printing for both black and color saves money and allows convenient use of common office paper stationary.
- Built-in high-speed Centronics interface and optional HP JetDirect cards provide powerful, flexible connectivity.

#1786974

$969

HEWLETT PACKARD
Authorized Dealer

ScanJet 3P Grayscale Scanner



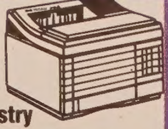
- This small footprint home or office scanner includes software for graphic editing, OCR and software to emulate a copier on your home printer.
- 300 dpi
- 256 Grayscale

FOR PC
HP C2577A
#1957705
FOR MAC
HP C2579A
#1957691

YOUR CHOICE! **$349**

HEWLETT PACKARD
Authorized Dealer

LaserJet 4M Plus



The BEST print quality in the industry

12 pages per minute printing for Macintosh and mixed Mac/Pc environments
True 600 dpi output • AdobeTM PostScriptTM Level 2 and enhanced HP PCL 5 printer languages.
80 scalable typefaces - 35 Adobe Type1, 35 Intellifont, 10 TrueType™
6MB standard, expandable up to 38MB, 250 sheet paper tray and 10-envelope multipurpose tray.
#1914571

HOT DEAL! **$1869**

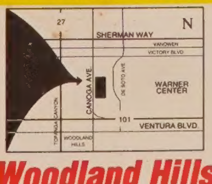
HOME OF FAST, FRIENDLY, COURTEOUS SERVICE!®

Fry's ELECTRONICS

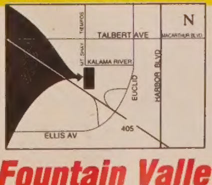
Prices Good Through August 15, 1995

Limit Rights Reserved. Not Responsible for Typographical Errors.

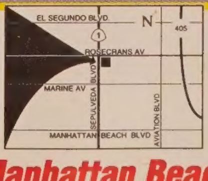
STORE HOURS
MON - FRI
8AM-9PM
SATURDAY
9AM - 8PM
SUNDAY
9AM - 7PM



Woodland Hills
6100 Canoga Ave.
(818) 227-1000



Fountain Valley
10800 Kalama River Ave.
(714) 378-4400
(714) 378-4444

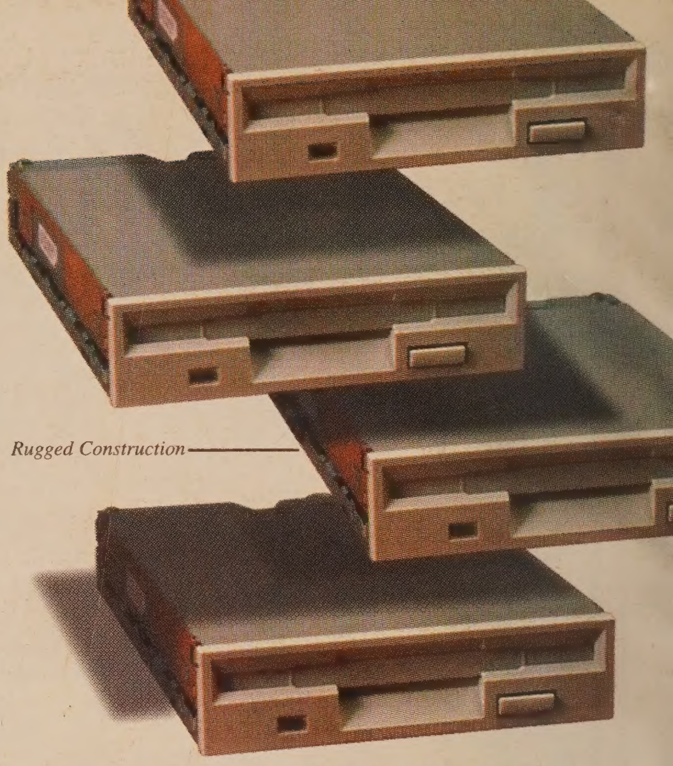


Manhattan Beach
3600 Sepulveda Blvd.
(310) 364-FRYS (3797)
(310) 364-3737

CORP. P.O. FAX: FAX(818) 227-1010 / P.Os (818) 227-1025

DISCOVER, VISA AND MasterCard ACCEPTED

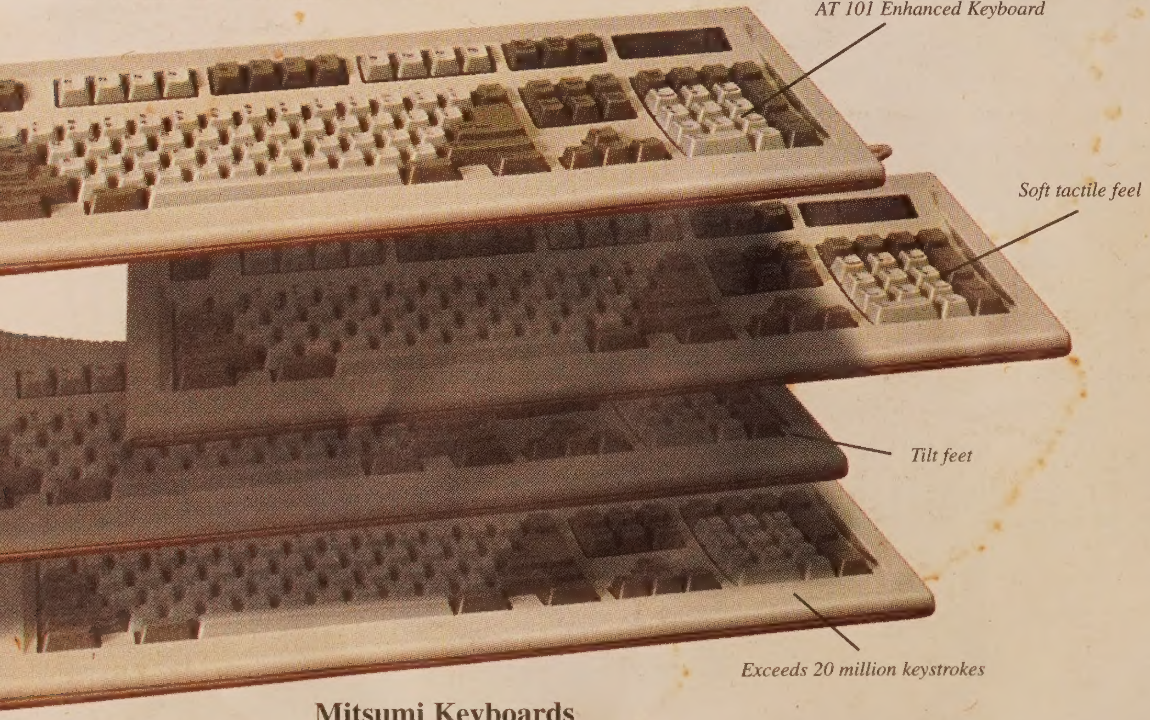
Supercom, building systems with components that are built to last



Mitsumi Floppies

When building systems for the long haul, you have to use components that are built to last. That's why we build our TOUCH systems with Intel Pentium® Processors, Mitsumi keyboards and Mitsumi floppy drives. Mitsumi keyboards feature a tilt foot and soft tactile response. So it's your keyboard that takes the pounding, not your fingers. And Mitsumi floppies offer the consistency found only in high volume production giving you superior performance at unmatched prices. This makes Supercom TOUCH systems some of the most reliable systems around. So if you're looking for systems that are built to last with components to match, call Supercom today at 1-800-888-1888 for reliable high performance computers.

MITSUMI



Mitsumi Keyboards

Supercom

1-800-888-1888

**Dealer/Volume Sales Only.
Call for the Dealer
Nearest You!**

The Intel Inside and Pentium Processor logos are registered trademarks of Intel Corporation. Supercom™ and Touch™ are trademarks of Supercom Inc. All other product and company names are the trademarks or registered trademarks of their respective owners.